FIG. 1

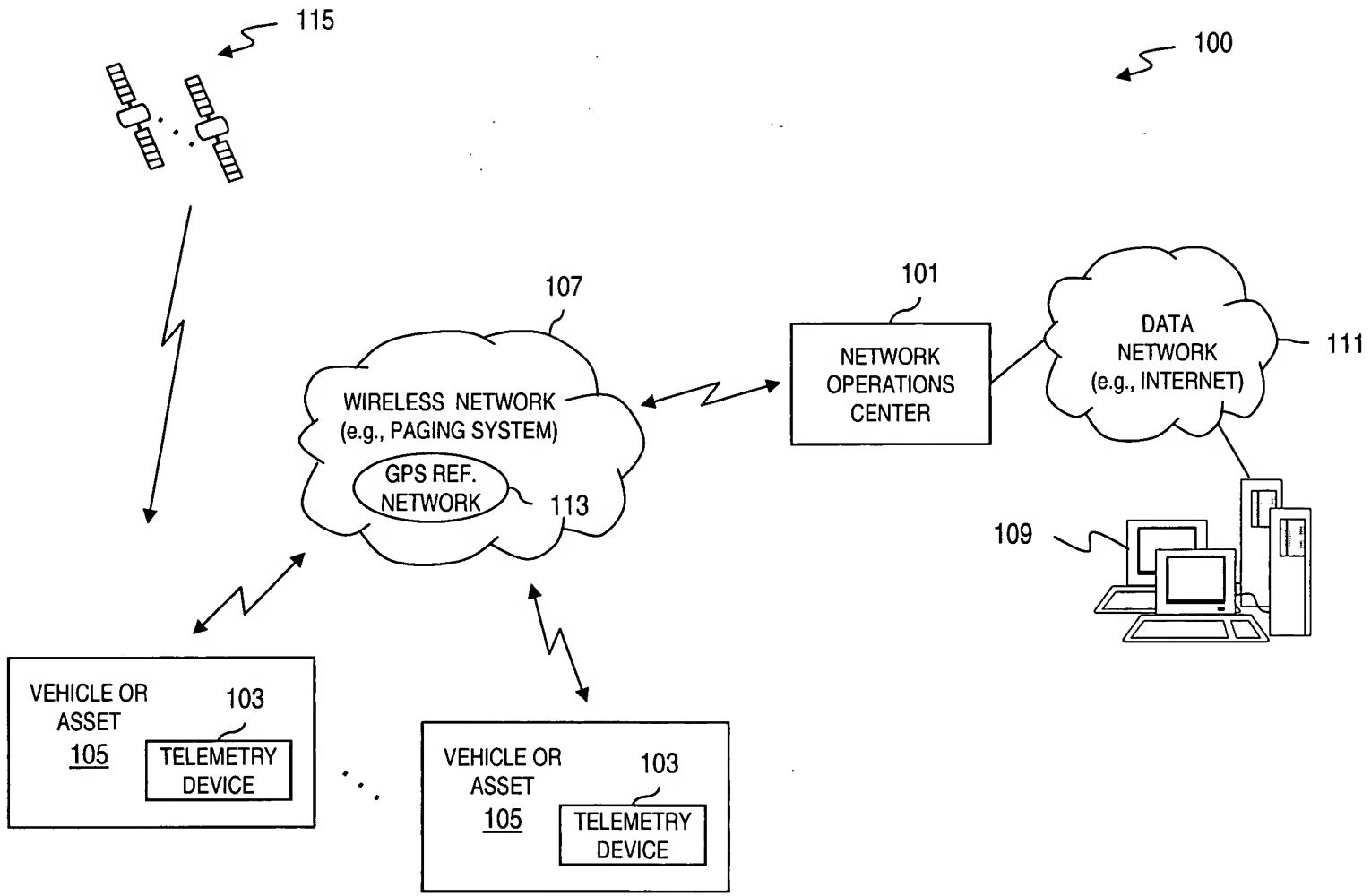

115
100
107
101
WIRELESS NETWORK
(e.g., PAGING SYSTEM)
GPS REF.
NETWORK
113
NETWORK
OPERATIONS
CENTER
DATA
NETWORK
(e.g., INTERNET)
111
109
VEHICLE OR
ASSET
105
103
TELEMETRY
DEVICE
VEHICLE OR
ASSET
105
103
TELEMETRY
DEVICE

FIG. 2

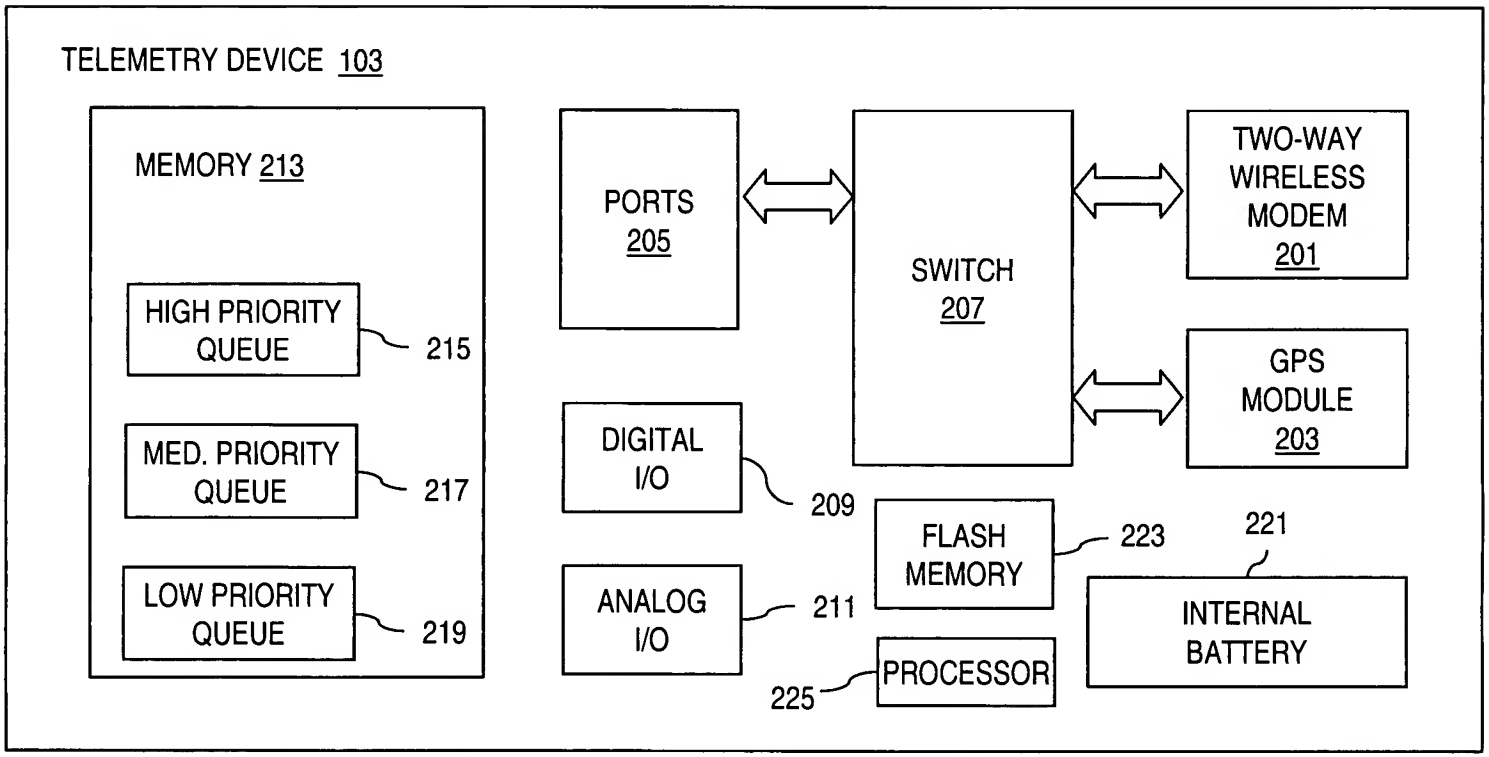

TELEMETRY DEVICE 103
MEMORY 213
HIGH PRIORITY QUEUE
215
MED. PRIORITY QUEUE
217
LOW PRIORITY QUEUE
219
PORTS 205
SWITCH 207
TWO-WAY WIRELESS MODEM 201
GPS MODULE 203
DIGITAL I/O
209
ANALOG I/O
211
FLASH MEMORY
223
221
INTERNAL BATTERY
PROCESSOR
225

FIG. 3

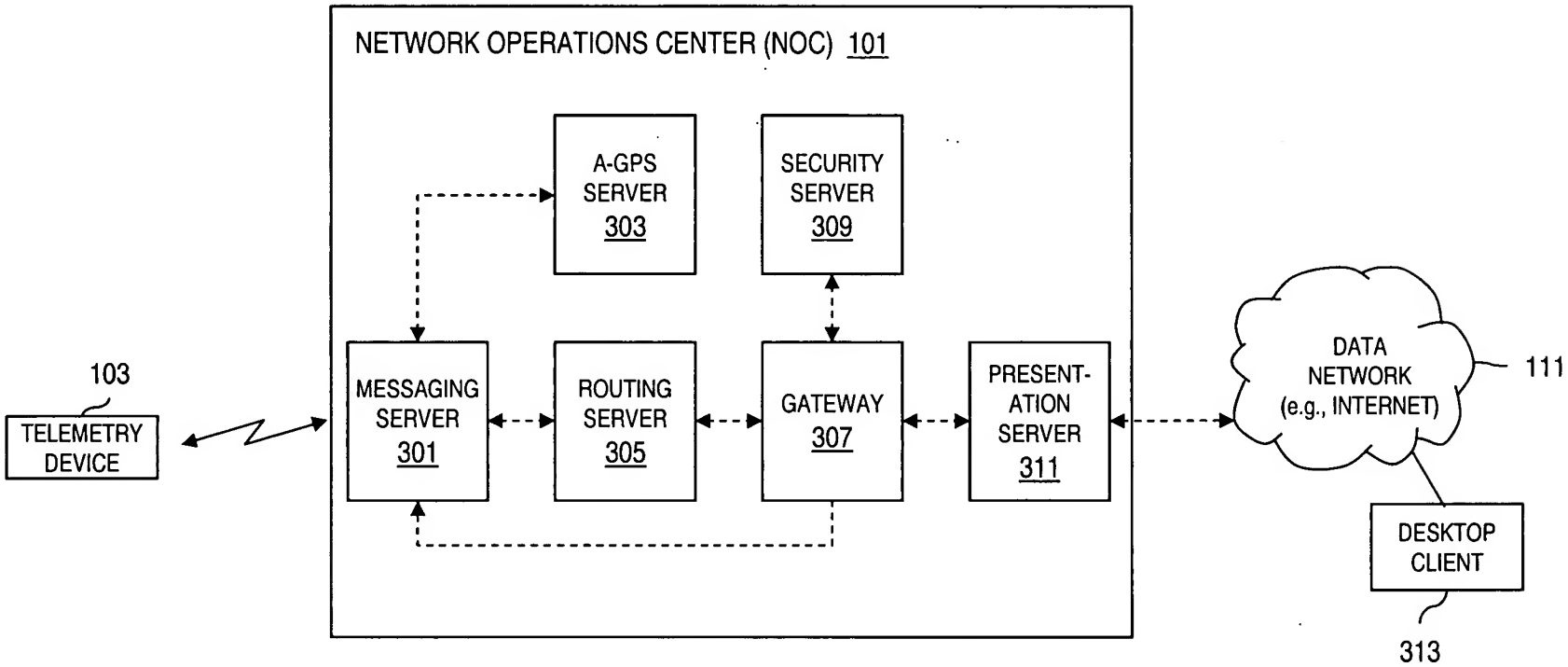

NETWORK OPERATIONS CENTER (NOC) 101
A-GPS SERVER 303
SECURITY SERVER 309
MESSAGING SERVER 301
ROUTING SERVER 305
GATEWAY 307
PRESENT-ATION SERVER 311
103
TELEMETRY DEVICE
DATA NETWORK (e.g., INTERNET)
111
DESKTOP CLIENT
313

FIG. 4

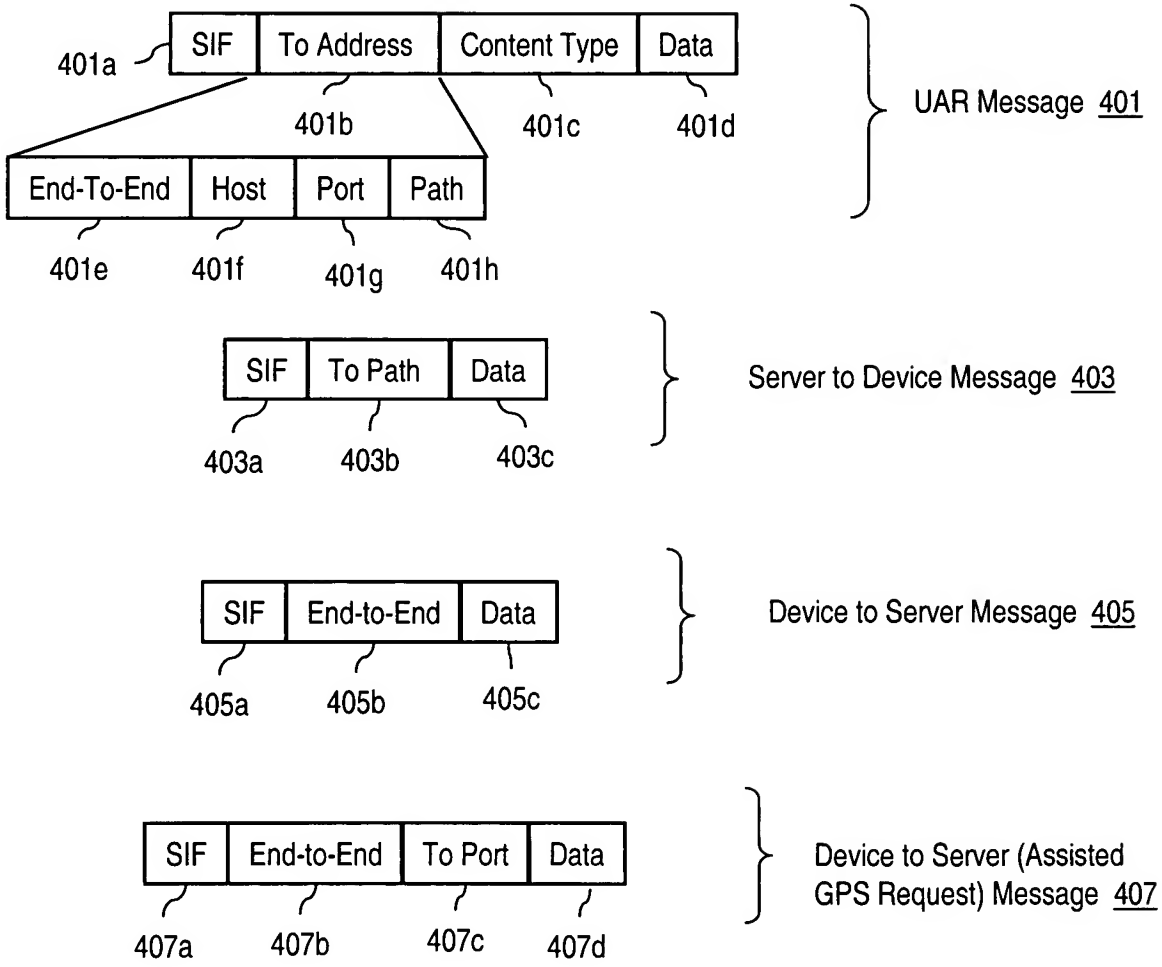

401a
SIF
To Address
Content Type
Data
401b
401c
401d
End-To-End
Host
Port
Path
401e
401f
401g
401h
UAR Message 401
SIF
To Path
Data
403a
403b
403c
Server to Device Message 403
SIF
End-to-End
Data
405a
405b
405c
Device to Server Message 405
SIF
End-to-End
To Port
Data
407a
407b
407c
407d
Device to Server (Assisted GPS Request) Message 407

FIG. 5

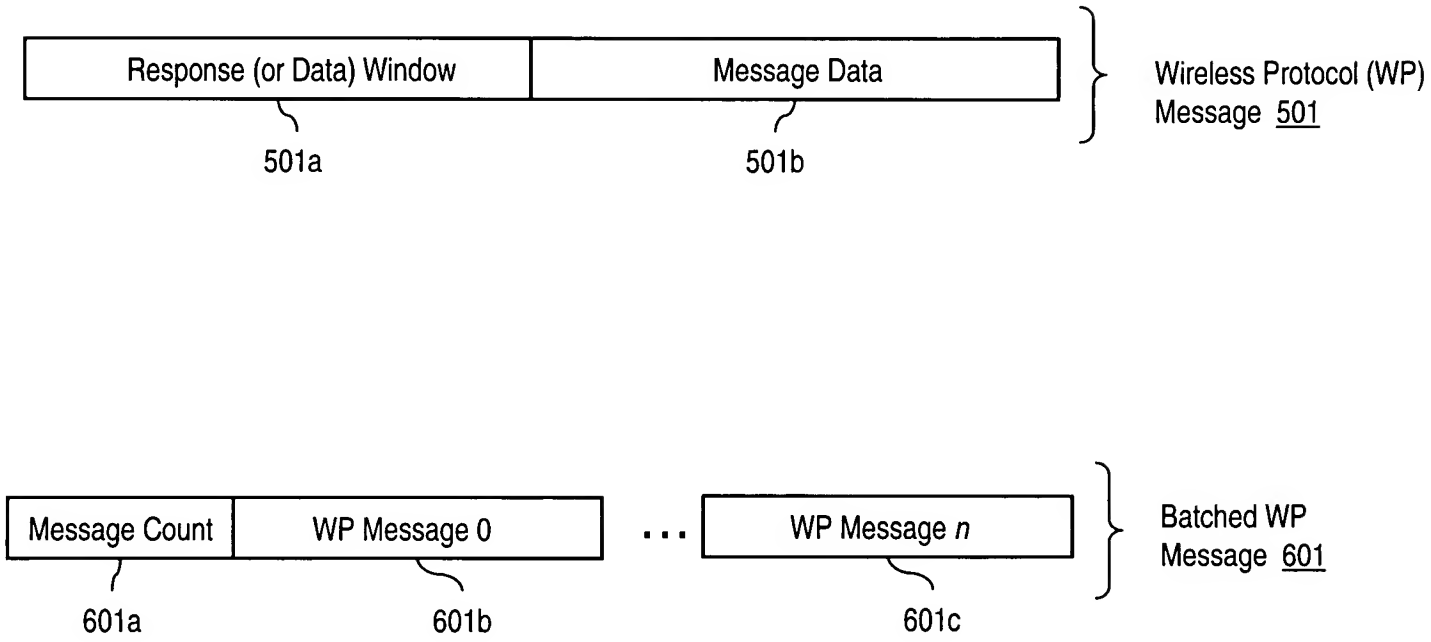

Response (or Data) Window
Message Data
501a
501b
Wireless Protocol (WP) Message 501
Message Count
WP Message 0
WP Message n
601a
601b
601c
Batched WP Message 601

FIG. 6

FIG. 7

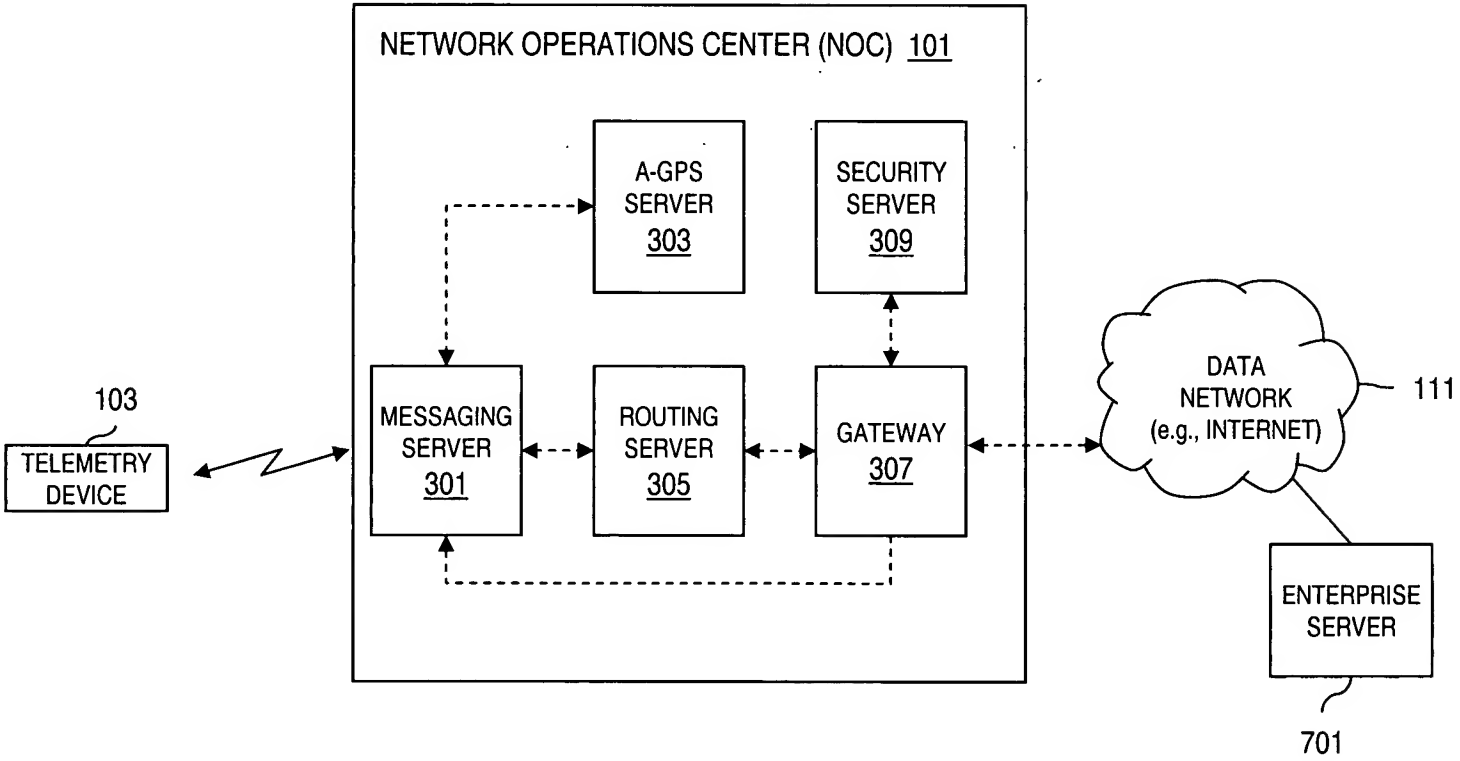

NETWORK OPERATIONS CENTER (NOC) 101
A-GPS SERVER 303
SECURITY SERVER 309
MESSAGING SERVER 301
ROUTING SERVER 305
GATEWAY 307
103
TELEMETRY DEVICE
DATA NETWORK (e.g., INTERNET)
111
ENTERPRISE SERVER
701

FIG. 8

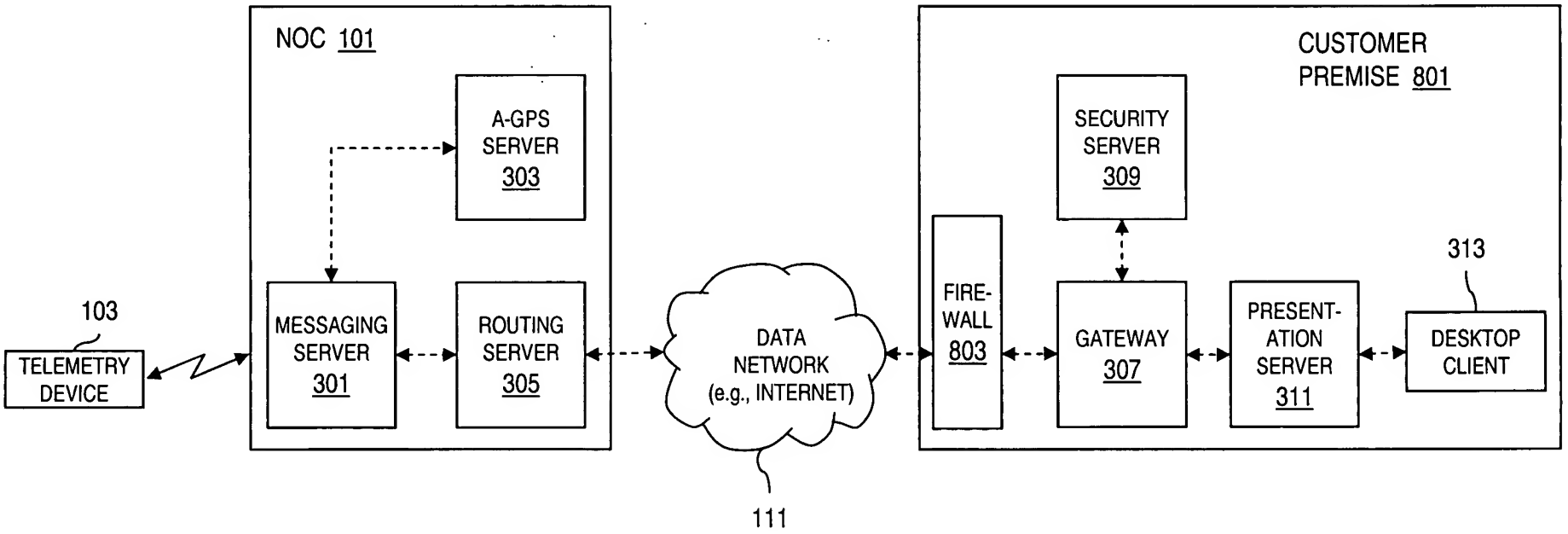

NOC 101
A-GPS SERVER 303
MESSAGING SERVER 301
ROUTING SERVER 305
103
TELEMETRY DEVICE
DATA NETWORK (e.g., INTERNET)
111
CUSTOMER PREMISE 801
SECURITY SERVER 309
FIRE-WALL 803
GATEWAY 307
PRESENT-ATION SERVER 311
313
DESKTOP CLIENT

FIG. 9

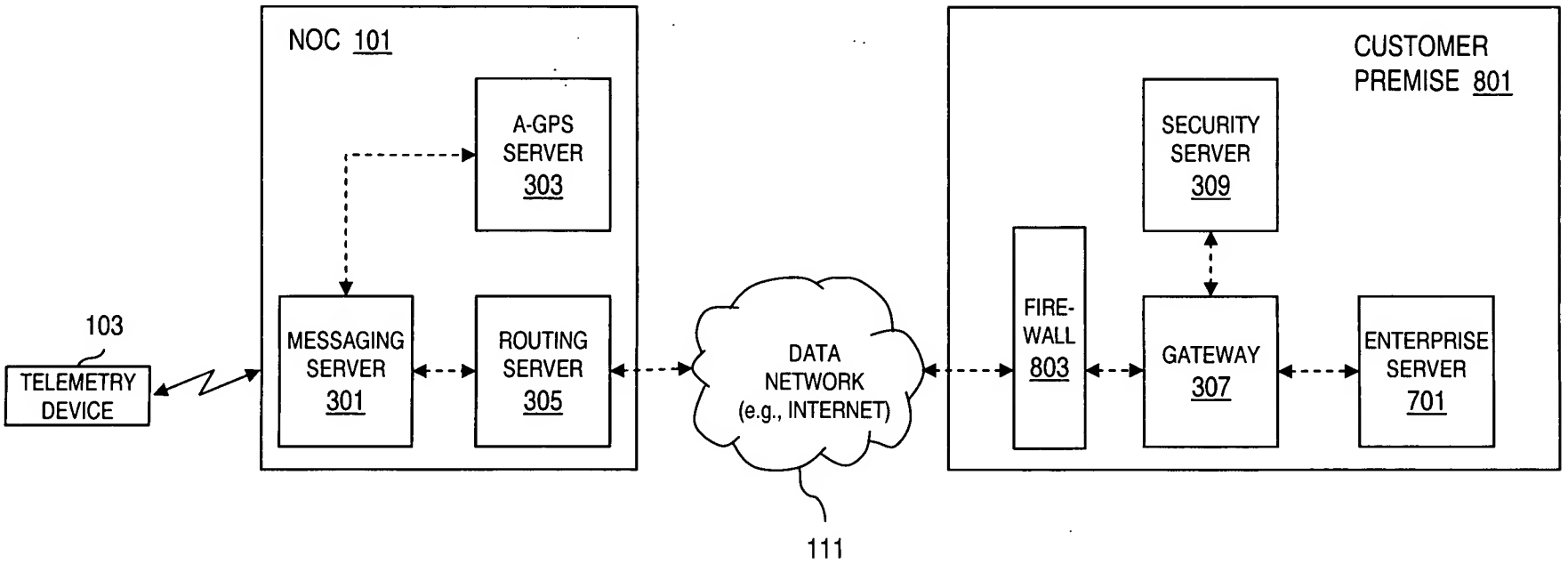

NOC 101
A-GPS SERVER 303
MESSAGING SERVER 301
ROUTING SERVER 305
103
TELEMETRY DEVICE
DATA NETWORK (e.g., INTERNET)
111
CUSTOMER PREMISE 801
SECURITY SERVER 309
FIRE-WALL 803
GATEWAY 307
ENTERPRISE SERVER 701

FIG. 10

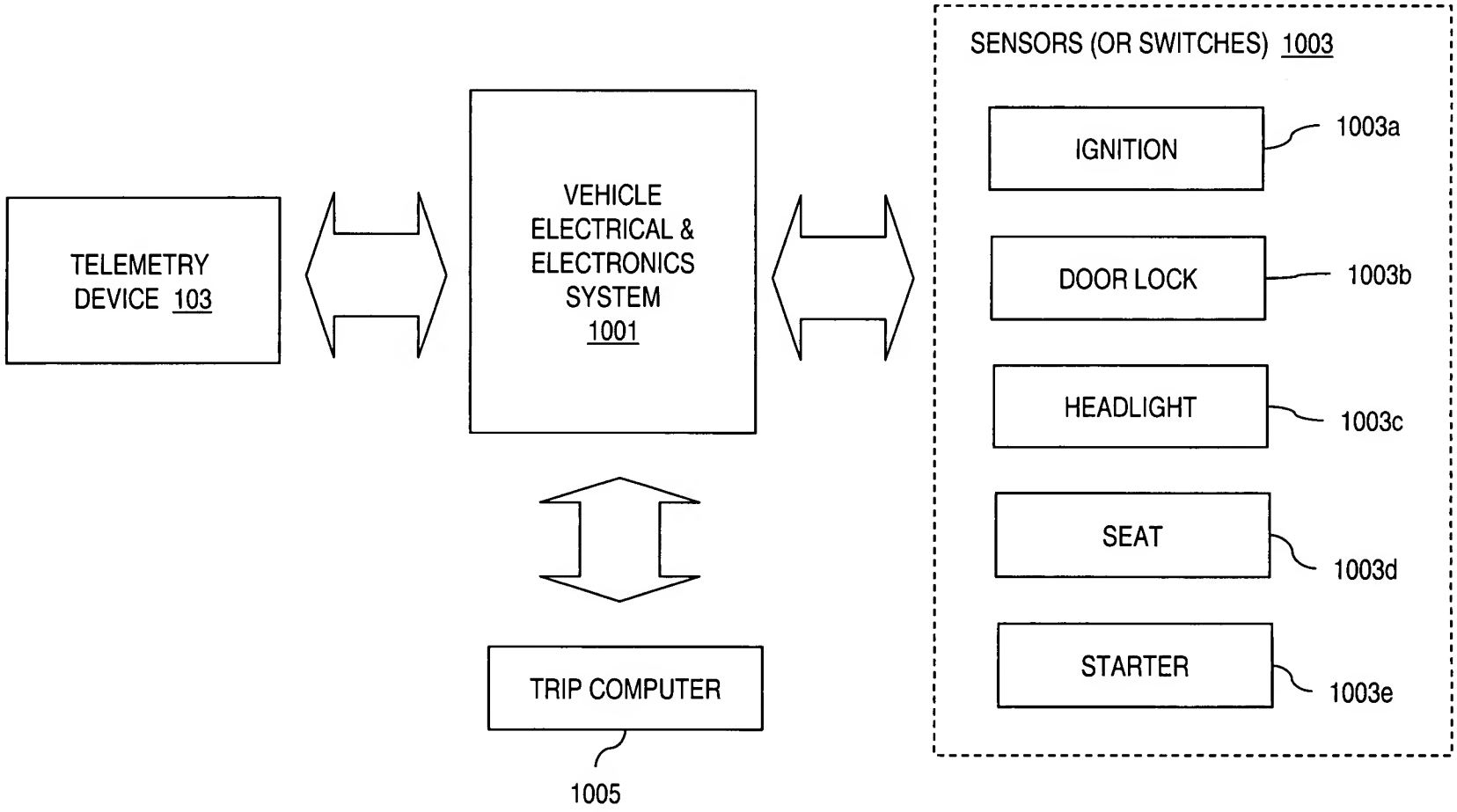

TELEMETRY DEVICE 103
VEHICLE ELECTRICAL & ELECTRONICS SYSTEM 1001
TRIP COMPUTER
1005
SENSORS (OR SWITCHES) 1003
IGNITION
1003a
DOOR LOCK
1003b
HEADLIGHT
1003c
SEAT
1003d
STARTER
1003e

FIG. 11

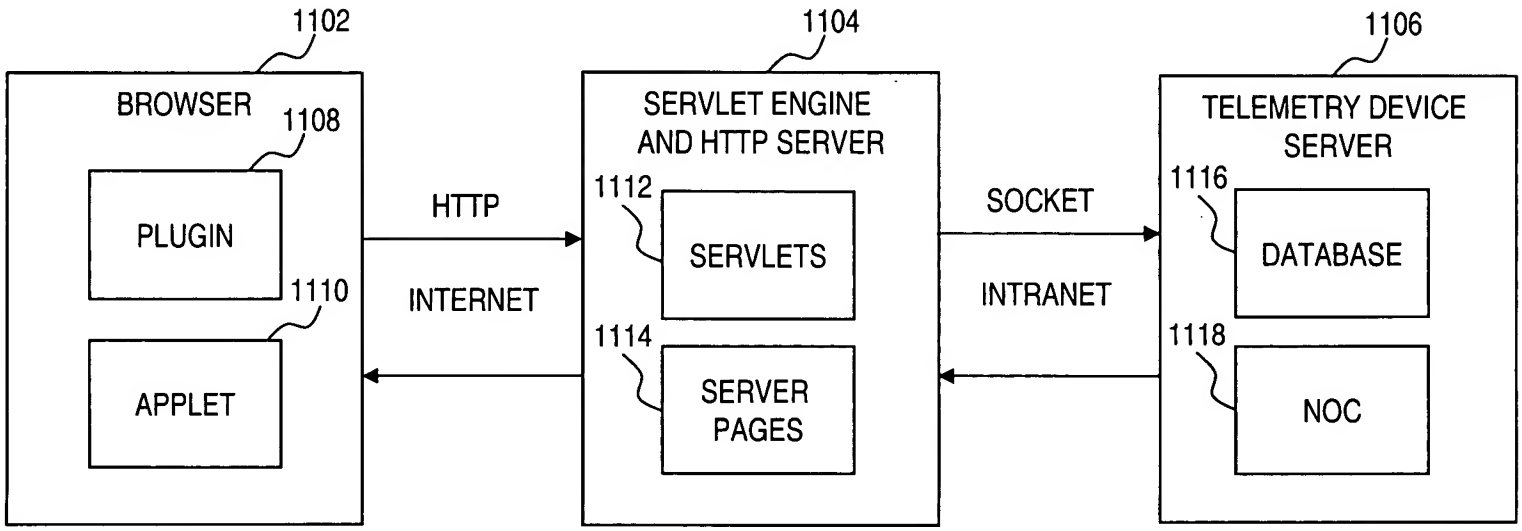

1102
BROWSER
1108
PLUGIN
1110
APPLET
HTTP
INTERNET
1104
SERVLET ENGINE
AND HTTP SERVER
1112
SERVLETS
1114
SERVER
PAGES
SOCKET
INTRANET
1106
TELEMETRY DEVICE
SERVER
1116
DATABASE
1118
NOC

FIG. 12a

1201

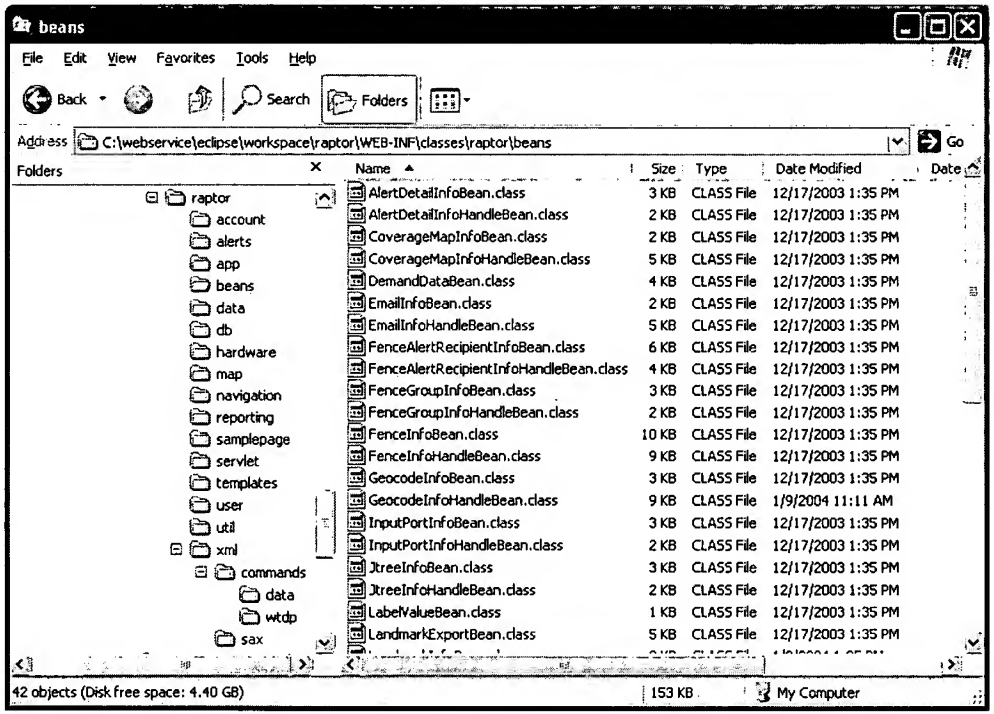

beans
File Edit View Favorites Tools Help
Back Search Folders
Address C:\webservice\eclipse\workspace\raptor\WEB-INF\classes\raptor\beans
Go
Folders
raptor
account
alerts
app
beans
data
db
hardware
map
navigation
reporting
samplepage
servlet
templates
user
util
xml
commands
data
wtdp
sax
Name Size Type Date Modified Date
AlertDetailInfoBean.class 3 KB CLASS File 12/17/2003 1:35 PM
AlertDetailInfoHandleBean.class 2 KB CLASS File 12/17/2003 1:35 PM
CoverageMapInfoBean.class 2 KB CLASS File 12/17/2003 1:35 PM
CoverageMapInfoHandleBean.class 5 KB CLASS File 12/17/2003 1:35 PM
DemandDataBean.class 4 KB CLASS File 12/17/2003 1:35 PM
EmailInfoBean.class 2 KB CLASS File 12/17/2003 1:35 PM
EmailInfoHandleBean.class 5 KB CLASS File 12/17/2003 1:35 PM
FenceAlertRecipientInfoBean.class 6 KB CLASS File 12/17/2003 1:35 PM
FenceAlertRecipientInfoHandleBean.class 4 KB CLASS File 12/17/2003 1:35 PM
FenceGroupInfoBean.class 3 KB CLASS File 12/17/2003 1:35 PM
FenceGroupInfoHandleBean.class 2 KB CLASS File 12/17/2003 1:35 PM
FenceInfoBean.class 10 KB CLASS File 12/17/2003 1:35 PM
FenceInfoHandleBean.class 9 KB CLASS File 12/17/2003 1:35 PM
GeocodeInfoBean.class 3 KB CLASS File 12/17/2003 1:35 PM
GeocodeInfoHandleBean.class 9 KB CLASS File 1/9/2004 11:11 AM
InputPortInfoBean.class 3 KB CLASS File 12/17/2003 1:35 PM
InputPortInfoHandleBean.class 2 KB CLASS File 12/17/2003 1:35 PM
JtreeInfoBean.class 3 KB CLASS File 12/17/2003 1:35 PM
JtreeInfoHandleBean.class 2 KB CLASS File 12/17/2003 1:35 PM
LabelValueBean.class 1 KB CLASS File 12/17/2003 1:35 PM
LandmarkExportBean.class 5 KB CLASS File 12/17/2003 1:35 PM
42 objects (Disk free space: 4.40 GB)
153 KB
My Computer

FIG. 12b

1203

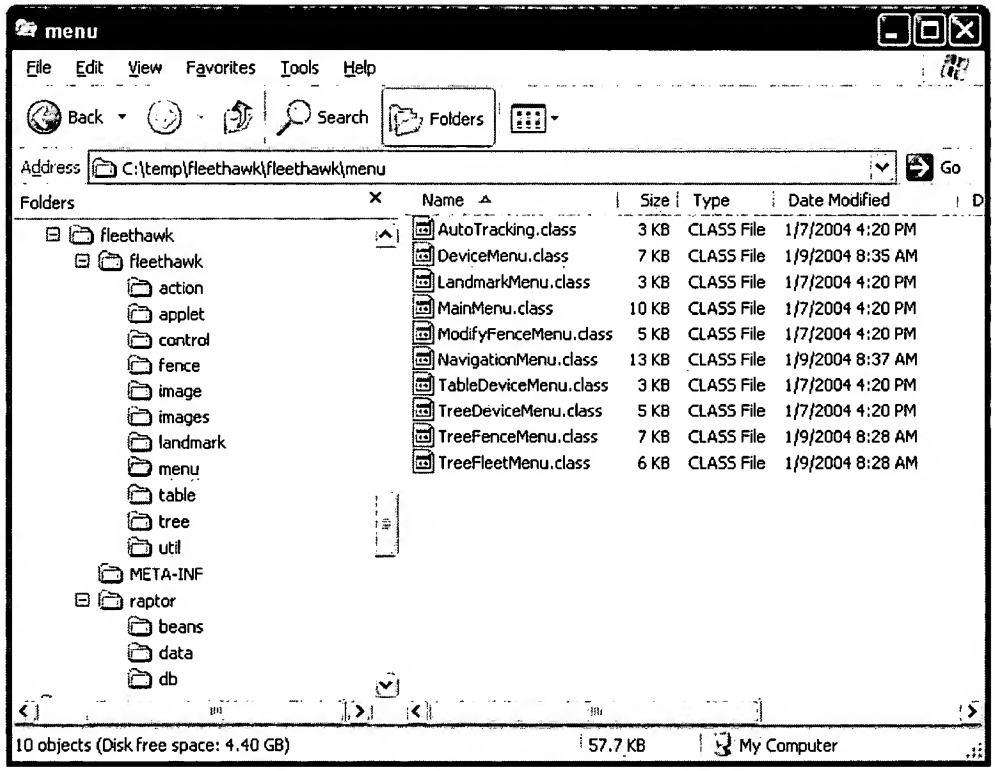

menu
File Edit View Favorites Tools Help
Back Search Folders
Address C:\temp\fleethawk\fleethawk\menu
Go
Folders
fleethawk
fleethawk
action
applet
control
fence
image
images
landmark
menu
table
tree
util
META-INF
raptor
beans
data
db
Name Size Type Date Modified
AutoTracking.class 3 KB CLASS File 1/7/2004 4:20 PM
DeviceMenu.class 7 KB CLASS File 1/9/2004 8:35 AM
LandmarkMenu.class 3 KB CLASS File 1/7/2004 4:20 PM
MainMenu.class 10 KB CLASS File 1/7/2004 4:20 PM
ModifyFenceMenu.class 5 KB CLASS File 1/7/2004 4:20 PM
NavigationMenu.class 13 KB CLASS File 1/9/2004 8:37 AM
TableDeviceMenu.class 3 KB CLASS File 1/7/2004 4:20 PM
TreeDeviceMenu.class 5 KB CLASS File 1/7/2004 4:20 PM
TreeFenceMenu.class 7 KB CLASS File 1/9/2004 8:28 AM
TreeFleetMenu.class 6 KB CLASS File 1/9/2004 8:28 AM
10 objects (Disk free space: 4.40 GB)
57.7 KB
My Computer

FIG. 12c

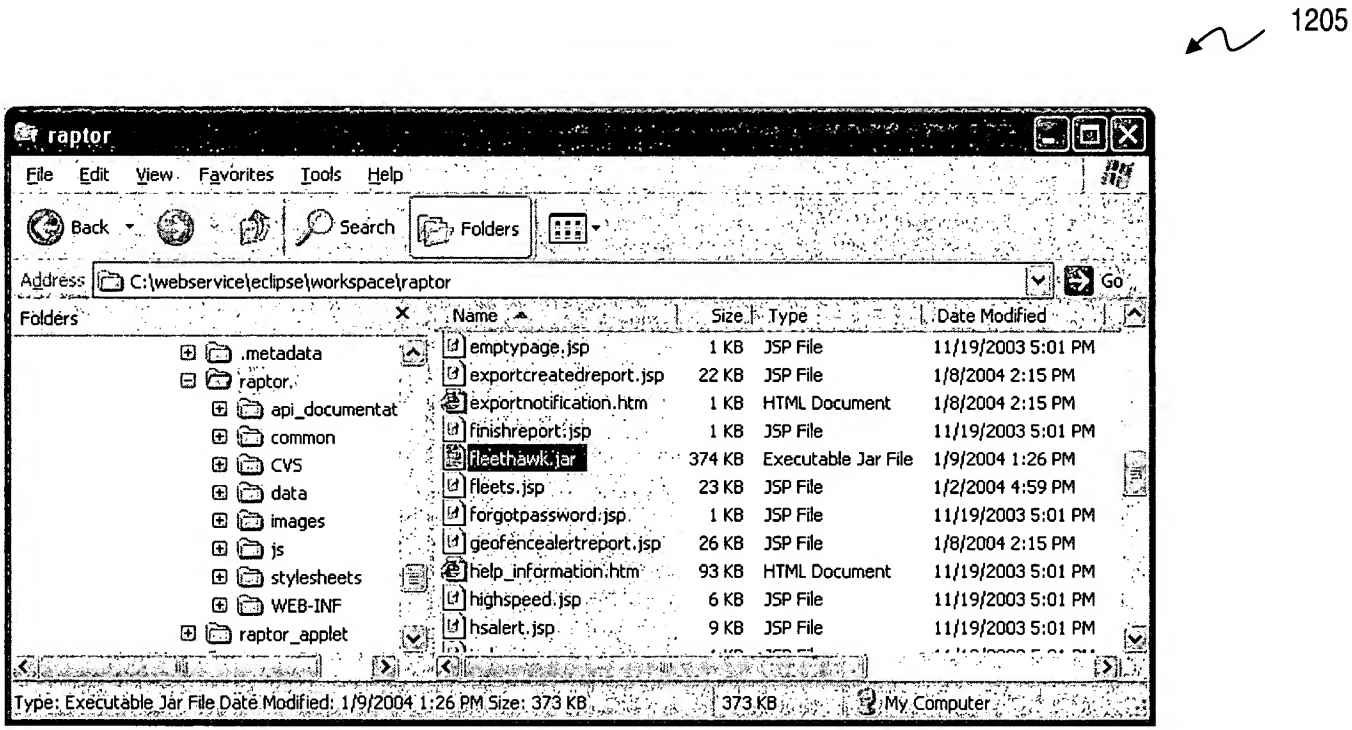

1205
raptor
File Edit View Favorites Tools Help
Back Search Folders
Address C:\webservice\eclipse\workspace\raptor
Go
Folders
Name Size Type Date Modified
.metadata
raptor
api_documentat
common
CVS
data
images
js
stylesheets
WEB-INF
raptor_applet
emptypage.jsp 1 KB JSP File 11/19/2003 5:01 PM
exportcreatedreport.jsp 22 KB JSP File 1/8/2004 2:15 PM
exportnotification.htm 1 KB HTML Document 1/8/2004 2:15 PM
finishreport.jsp 1 KB JSP File 11/19/2003 5:01 PM
fleethawk.jar 374 KB Executable Jar File 1/9/2004 1:26 PM
fleets.jsp 23 KB JSP File 1/2/2004 4:59 PM
forgotpassword.jsp 1 KB JSP File 11/19/2003 5:01 PM
geofencealertreport.jsp 26 KB JSP File 1/8/2004 2:15 PM
help_information.htm 93 KB HTML Document 11/19/2003 5:01 PM
highspeed.jsp 6 KB JSP File 11/19/2003 5:01 PM
hsalert.jsp 9 KB JSP File 11/19/2003 5:01 PM
Type: Executable Jar File Date Modified: 1/9/2004 1:26 PM Size: 373 KB
373 KB
My Computer

FIG. 12d

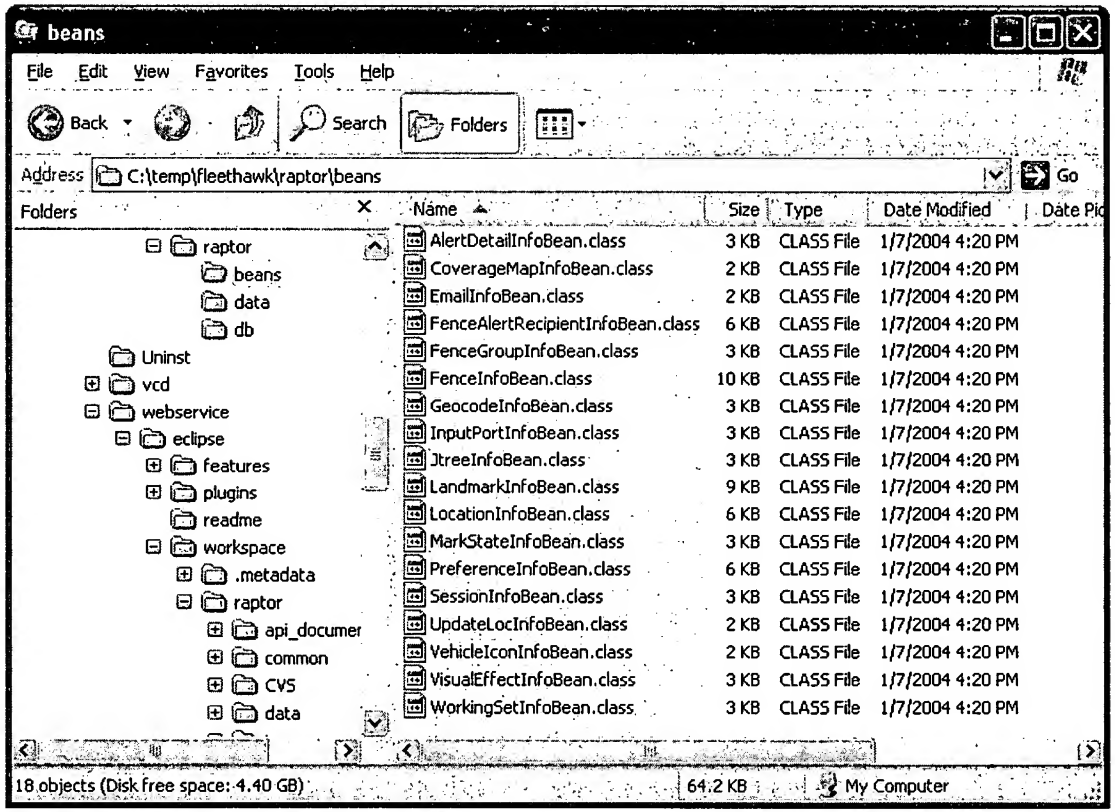

1207
beans
File Edit View Favorites Tools Help
Back Search Folders
Address C:\temp\fleethawk\raptor\beans
Go
Folders
raptor
beans
data
db
Uninst
vcd
webservice
eclipse
features
plugins
readme
workspace
.metadata
raptor
api_documer
common
CVS
data
Name Size Type Date Modified Date Pic
AlertDetailInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
CoverageMapInfoBean.class 2 KB CLASS File 1/7/2004 4:20 PM
EmailInfoBean.class 2 KB CLASS File 1/7/2004 4:20 PM
FenceAlertRecipientInfoBean.class 6 KB CLASS File 1/7/2004 4:20 PM
FenceGroupInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
FenceInfoBean.class 10 KB CLASS File 1/7/2004 4:20 PM
GeocodeInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
InputPortInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
JtreeInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
LandmarkInfoBean.class 9 KB CLASS File 1/7/2004 4:20 PM
LocationInfoBean.class 6 KB CLASS File 1/7/2004 4:20 PM
MarkStateInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
PreferenceInfoBean.class 6 KB CLASS File 1/7/2004 4:20 PM
SessionInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
UpdateLocInfoBean.class 2 KB CLASS File 1/7/2004 4:20 PM
VehicleIconInfoBean.class 2 KB CLASS File 1/7/2004 4:20 PM
VisualEffectInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
WorkingSetInfoBean.class 3 KB CLASS File 1/7/2004 4:20 PM
18 objects (Disk free space: 4.40 GB)
64.2 KB
My Computer

FIG. 13

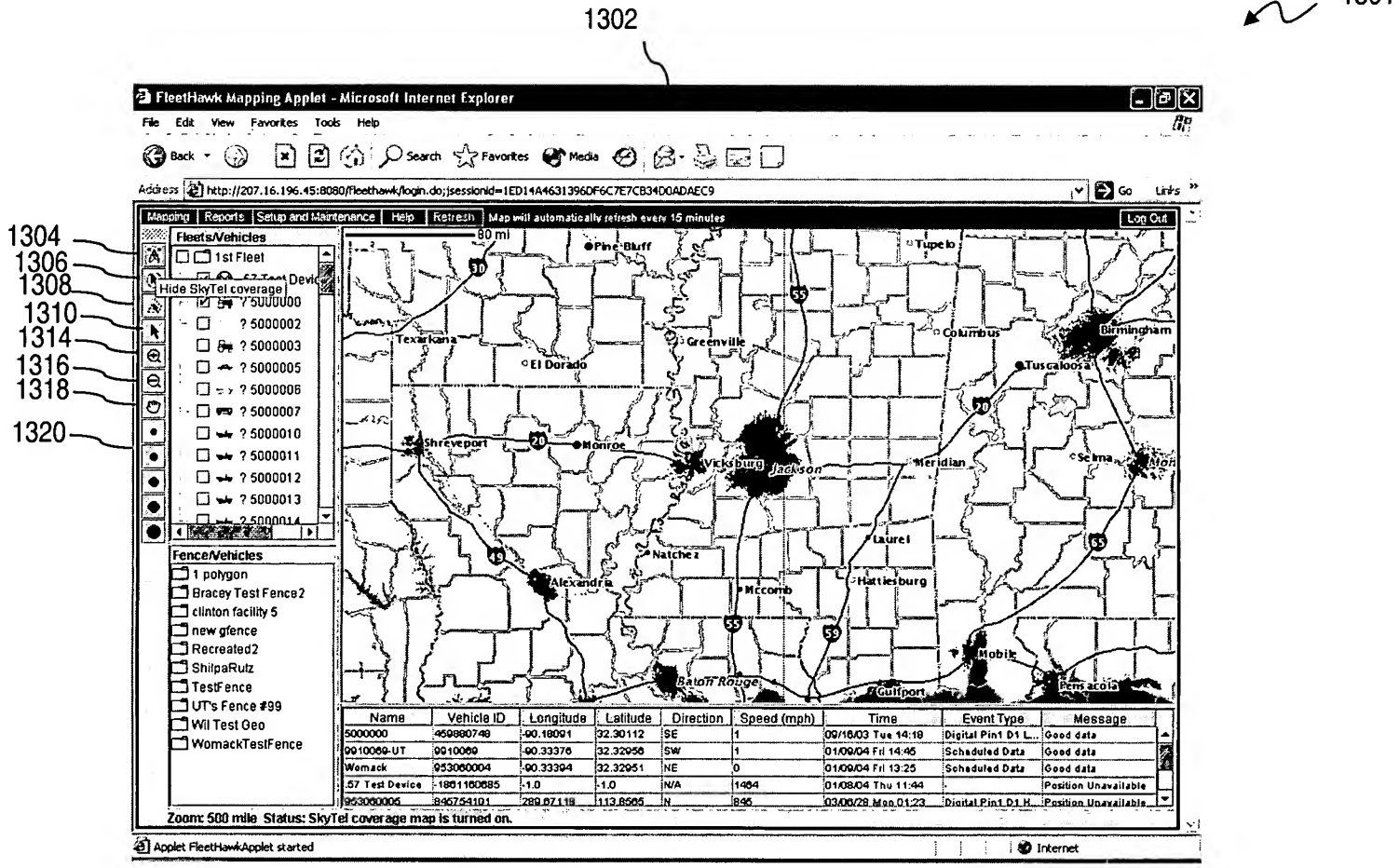

1301
1302
1304
1306
1308
1310
1314
1316
1318
1320
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
Hide SkyTel coverage
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
80 mi
Pine Bluff
Tupelo
Texarkana
El Dorado
Greenville
Columbus
Birmingham
Tuscaloosa
Shreveport
Monroe
Vicksburg
Jackson
Meridian
Selma
Natchez
Laurel
Alexandria
Mccomb
Hattiesburg
Baton Rouge
Gulfport
Mobile
Pensacola
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
5000000 459880748 -90.18091 32.30112 SE 1 09/16/03 Tue 14:18 Digital Pin1 D1 L... Good data
9910069-UT 9910069 -90.33376 32.32956 SW 1 01/09/04 Fri 14:45 Scheduled Data Good data
Womack 953060004 -90.33394 32.32951 NE 0 01/09/04 Fri 13:25 Scheduled Data Good data
.57 Test Device -1801160685 -1.0 -1.0 N/A 1464 01/08/04 Thu 11:44 - Position Unavailable
953060006 846754101 289.07119 113.8565 N 846 03/06/28 Mon 01:23 Digital Pin1 D1 H... Position Unavailable
Zoom: 500 mile Status: SkyTel coverage map is turned on.
Applet FleetHawkApplet started
Internet

FIG. 14a

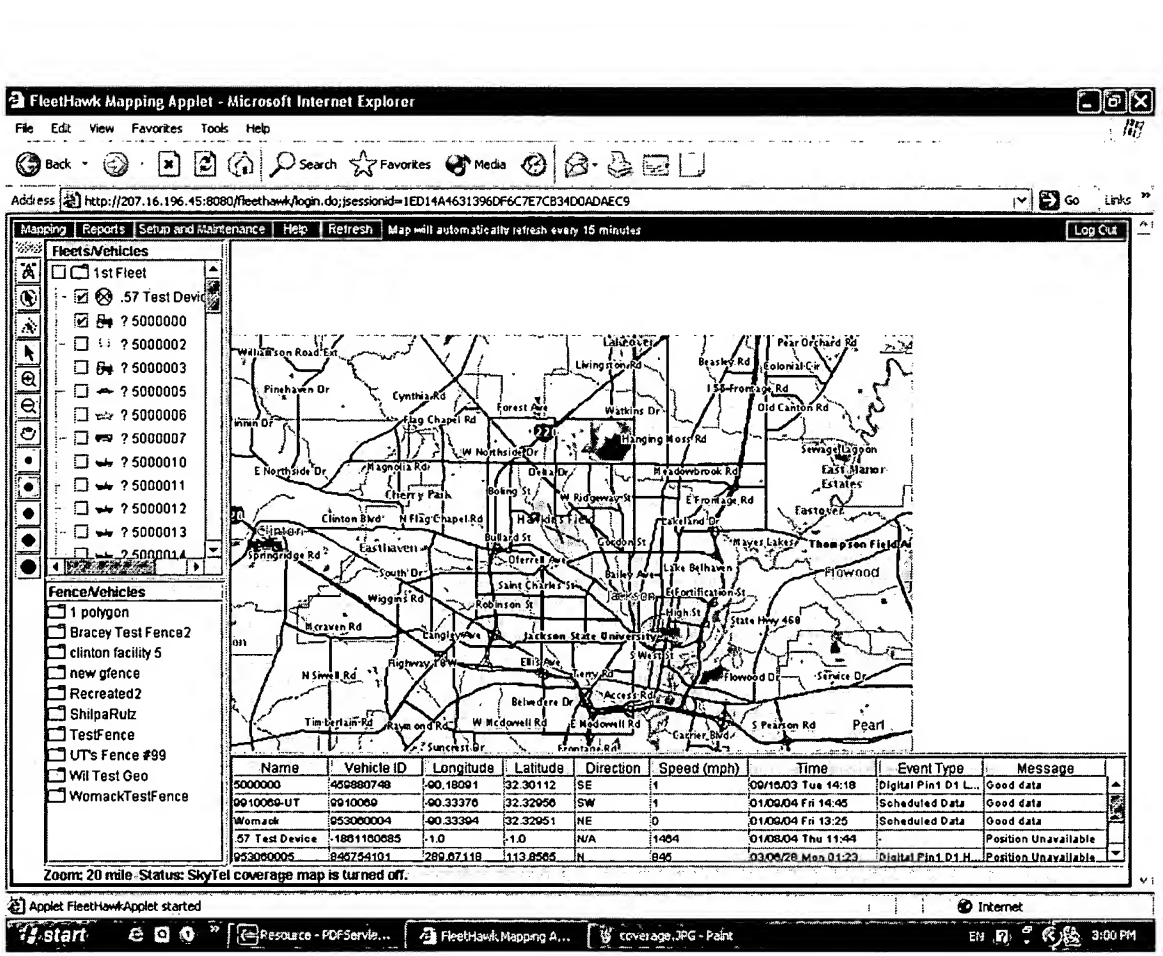

1401
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Devic
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
Name | Vehicle ID | Longitude | Latitude | Direction | Speed (mph) | Time | Event Type | Message
5000000 | 459880748 | -90.18091 | 32.30112 | SE | 1 | 09/16/03 Tue 14:18 | Digital Pin1 D1 L... | Good data
0910069-UT | 0910069 | -90.33376 | 32.32956 | SW | 1 | 01/09/04 Fri 14:45 | Scheduled Data | Good data
Womack | 953060004 | -90.33394 | 32.32951 | NE | 0 | 01/09/04 Fri 13:25 | Scheduled Data | Good data
.57 Test Device | -1861160685 | -1.0 | -1.0 | N/A | 1464 | 01/08/04 Thu 11:44 | | Position Unavailable
953060005 | 846754101 | 289.07118 | 113.8585 | N | 846 | 03/06/28 Mon 01:23 | Digital Pin1 D1 H... | Position Unavailable
Zoom: 20 mile Status: SkyTel coverage map is turned off.
Applet FleetHawkApplet started
Internet
start
Resource - PDFServle...
FleetHawk Mapping A...
coverage.JPG - Paint
EN
3:00 PM

FIG. 14b

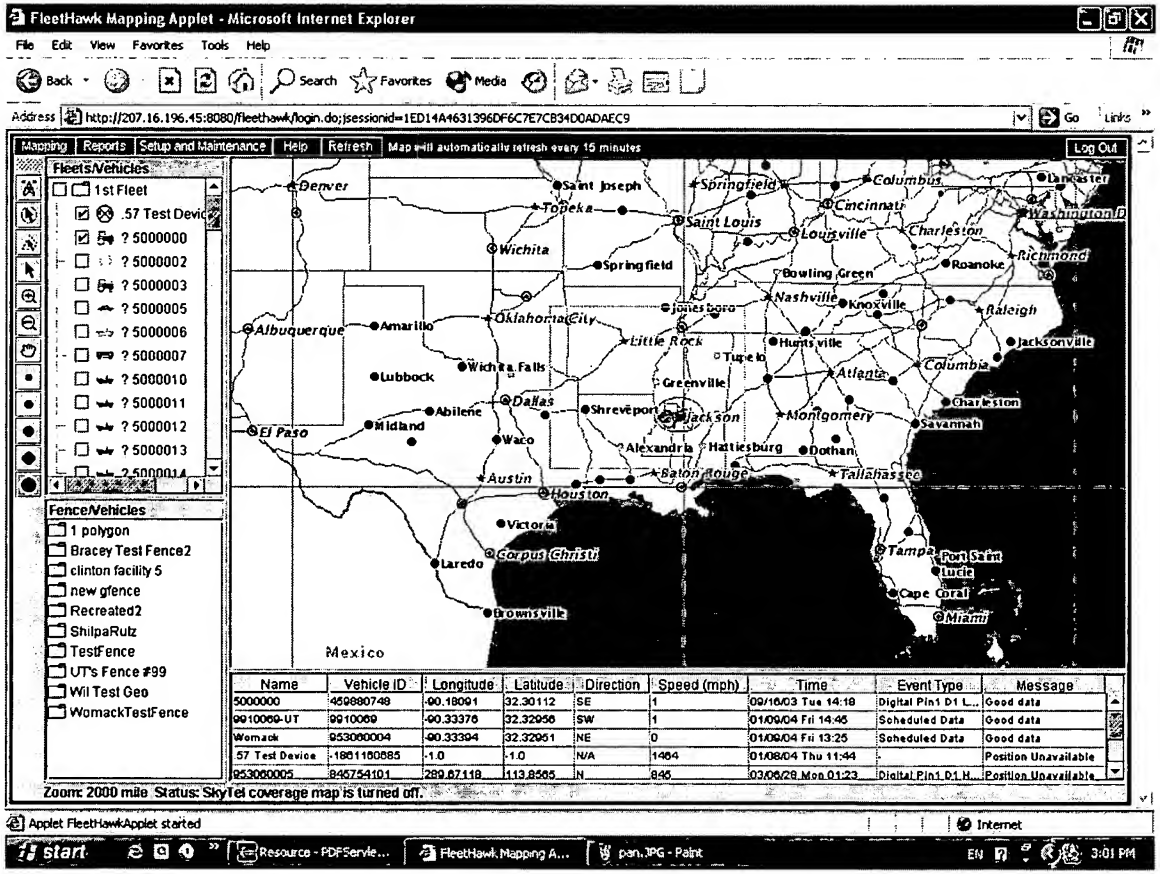

1403
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Devic
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
Denver
Saint Joseph
Topeka
Saint Louis
Springfield
Columbus
Cincinnati
Louisville
Charleston
Washington D
Richmond
Roanoke
Wichita
Springfield
Bowling Green
Nashville
Knoxville
Raleigh
Albuquerque
Amarillo
Oklahoma City
Little Rock
Huntsville
Jacksonville
Lubbock
Wichita Falls
Tupelo
Atlanta
Columbia
Greenville
Dallas
Shreveport
Jackson
Montgomery
Charleston
Savannah
Abilene
Midland
El Paso
Waco
Alexandria
Hattiesburg
Dothan
Austin
Baton Rouge
Tallahassee
Houston
Victoria
Corpus Christi
Laredo
Tampa
Port Saint Lucie
Cape Coral
Miami
Brownsville
Mexico
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
5000000 459880748 -90.18091 32.30112 SE 1 09/16/03 Tue 14:18 Digital Pin1 D1 L... Good data
9910069-UT 9910069 -90.33376 32.32956 SW 1 01/09/04 Fri 14:46 Scheduled Data Good data
Womack 953060004 -90.33394 32.32951 NE 0 01/09/04 Fri 13:25 Scheduled Data Good data
.57 Test Device -1861160885 -1.0 -1.0 N/A 1464 01/08/04 Thu 11:44 Position Unavailable
953060005 845754101 289.67118 113.8565 N 845 03/06/28 Mon 01:23 Digital Pin1 D1 H... Position Unavailable
Zoom: 2000 mile Status: SkyTel coverage map is turned off.
Applet FleetHawkApplet started
Internet
start
Resource - PDFServle...
FleetHawk Mapping A...
pan.JPG - Paint
EN
3:01 PM

FIG. 14c

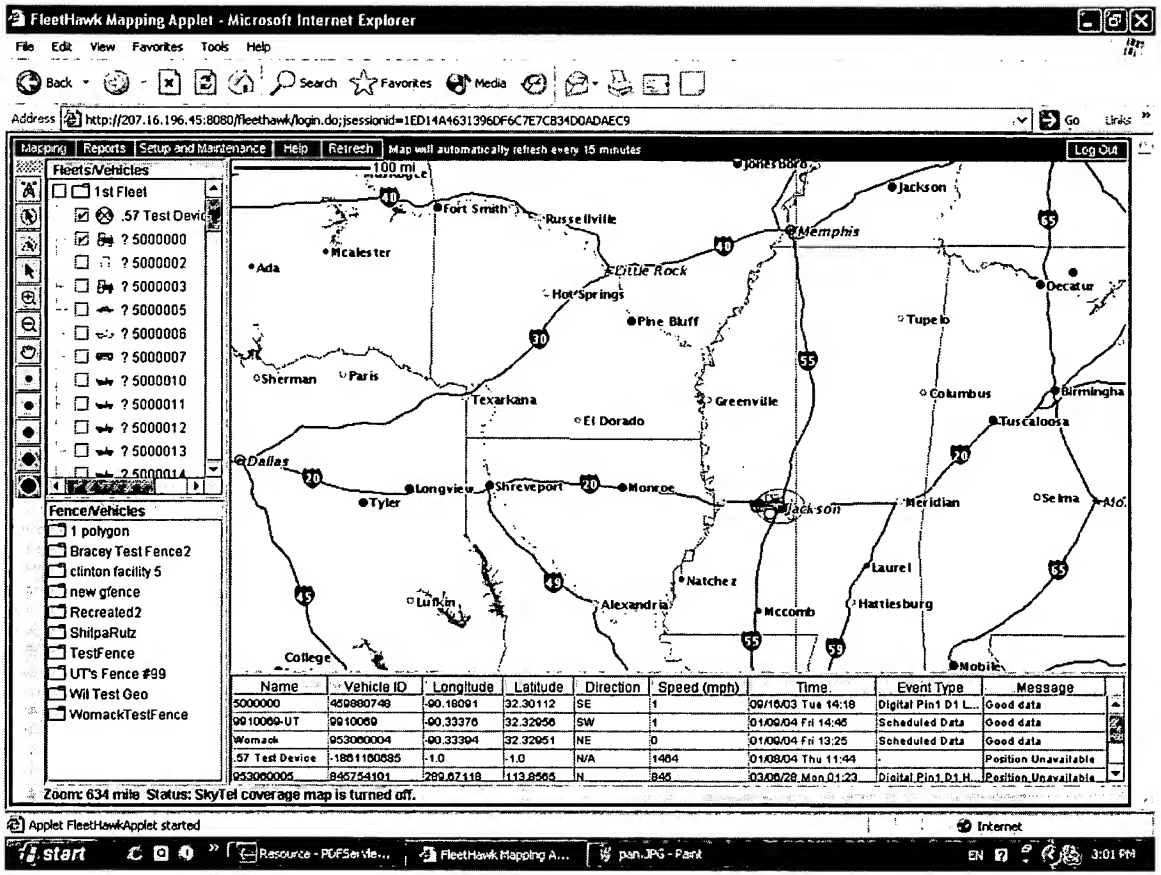

1405
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Devic
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
100 mi
Fort Smith
Russellville
Jonesboro
Jackson
Memphis
Mcalester
Ada
Little Rock
Hot Springs
Pine Bluff
Tupelo
Decatur
Sherman
Paris
Texarkana
El Dorado
Greenville
Columbus
Tuscaloosa
Dallas
Tyler
Longview
Shreveport
Monroe
Jackson
Meridian
Selma
Natchez
Laurel
Hattiesburg
Alexandria
Mccomb
College
Mobile
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
5000000 459880748 -90.18091 32.30112 SE 1 09/16/03 Tue 14:18 Digital Pin1 D1 L... Good data
9910069-UT 9910069 -90.33376 32.32956 SW 1 01/09/04 Fri 14:45 Scheduled Data Good data
Womack 953060004 -90.33394 32.32951 NE 0 01/09/04 Fri 13:25 Scheduled Data Good data
.57 Test Device -1861160585 -1.0 -1.0 N/A 1464 01/08/04 Thu 11:44 - Position Unavailable
953060005 845754101 269.67118 113.8565 N 845 03/06/28 Mon 01:23 Digital Pin1 D1 H... Position Unavailable
Zoom: 634 mile Status: SkyTel coverage map is turned off.
Applet FleetHawkApplet started
Internet
start
Resource - PDFServle...
FleetHawk Mapping A...
pan.JPG - Paint
EN
3:01 PM

FIG. 14d

1407

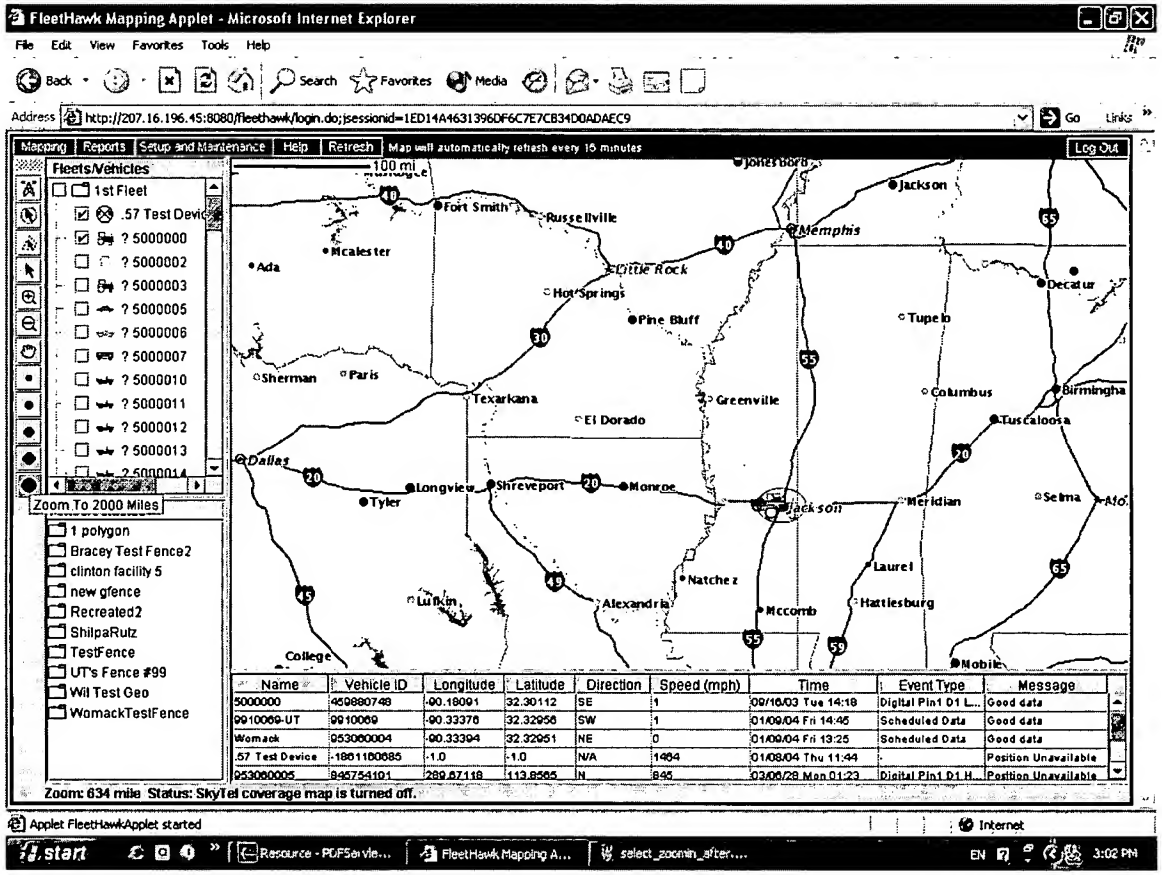

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Devic
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Zoom To 2000 Miles
1 polygon
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
100 mi
Fort Smith
Russellville
Jonesboro
Jackson
Memphis
Mcalester
Ada
Little Rock
Hot Springs
Pine Bluff
Tupelo
Decatur
Sherman
Paris
Texarkana
El Dorado
Greenville
Columbus
Birmingha
Tuscaloosa
Dallas
Longview
Shreveport
Monroe
Tyler
Jackson
Meridian
Selma
Natchez
Laurel
Lufkin
Alexandria
Mccomb
Hattiesburg
College
Mobile
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
5000000 459880748 -90.18091 32.30112 SE 1 09/16/03 Tue 14:18 Digital Pin1 D1 L... Good data
9910069-UT 9910069 -90.33376 32.32958 SW 1 01/09/04 Fri 14:45 Scheduled Data Good data
Womack 953060004 -90.33394 32.32951 NE 0 01/09/04 Fri 13:25 Scheduled Data Good data
.57 Test Device -1861180685 -1.0 -1.0 N/A 1464 01/08/04 Thu 11:44 Position Unavailable
953060005 945754101 289.87118 113.8565 N 845 03/06/28 Mon 01:23 Digital Pin1 D1 H... Position Unavailable
Zoom: 634 mile Status: SkyTel coverage map is turned off.
Applet FleetHawkApplet started
Internet
start
Resource - PDFServle...
FleetHawk Mapping A...
select_zoomin_after....
EN
3:02 PM

FIG. 14e

1409

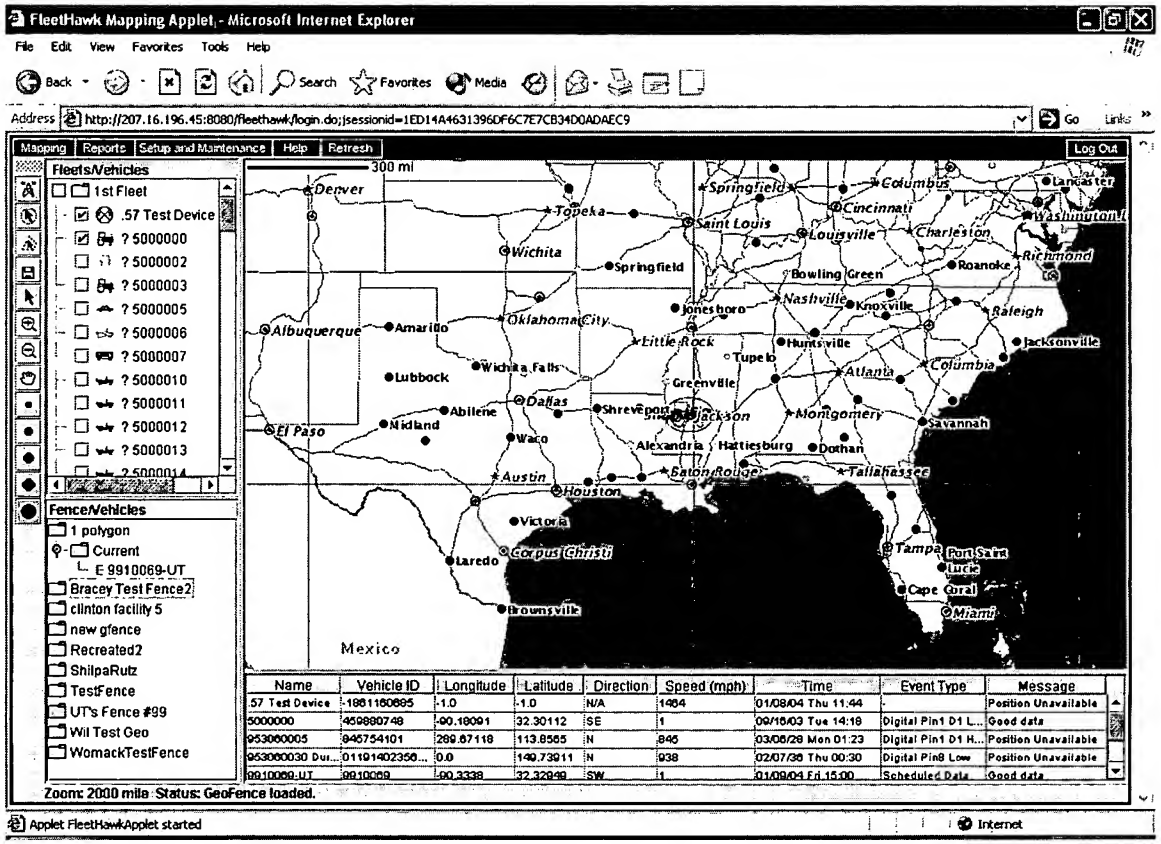

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Device
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
300 mi
Denver
Topeka
Wichita
Springfield
Saint Louis
Springfield
Columbus
Cincinnati
Louisville
Charleston
Lancaster
Washington
Richmond
Roanoke
Bowling Green
Nashville
Knoxville
Raleigh
Jonesboro
Albuquerque
Amarillo
Oklahoma City
Little Rock
Tupelo
Huntsville
Jacksonville
Columbia
Atlanta
Lubbock
Wichita Falls
Greenville
Dallas
Abilene
Shreveport
Jackson
Montgomery
Savannah
El Paso
Midland
Waco
Alexandria
Hattiesburg
Dothan
Austin
Baton Rouge
Tallahassee
Houston
Victoria
Laredo
Corpus Christi
Tampa
Port Saint Lucie
Cape Coral
Miami
Brownsville
Mexico
Name | Vehicle ID | Longitude | Latitude | Direction | Speed (mph) | Time | Event Type | Message
.57 Test Device | -1881160895 | -1.0 | -1.0 | N/A | 1464 | 01/08/04 Thu 11:44 | - | Position Unavailable
5000000 | 459880748 | -90.18091 | 32.30112 | SE | 1 | 09/15/03 Tue 14:18 | Digital Pin1 D1 L... | Good data
953060005 | 945754101 | 269.87118 | 113.8565 | N | 845 | 03/06/28 Mon 01:23 | Digital Pin1 D1 H... | Position Unavailable
953060030 Dur... | 01191402356... | 0.0 | 149.73911 | N | 938 | 02/07/36 Thu 00:30 | Digital Pin8 Low | Position Unavailable
9910069-UT | 9910069 | -90.3338 | 32.32949 | SW | 1 | 01/09/04 Fri 15:00 | Scheduled Data | Good data
Zoom: 2000 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 15a

1501

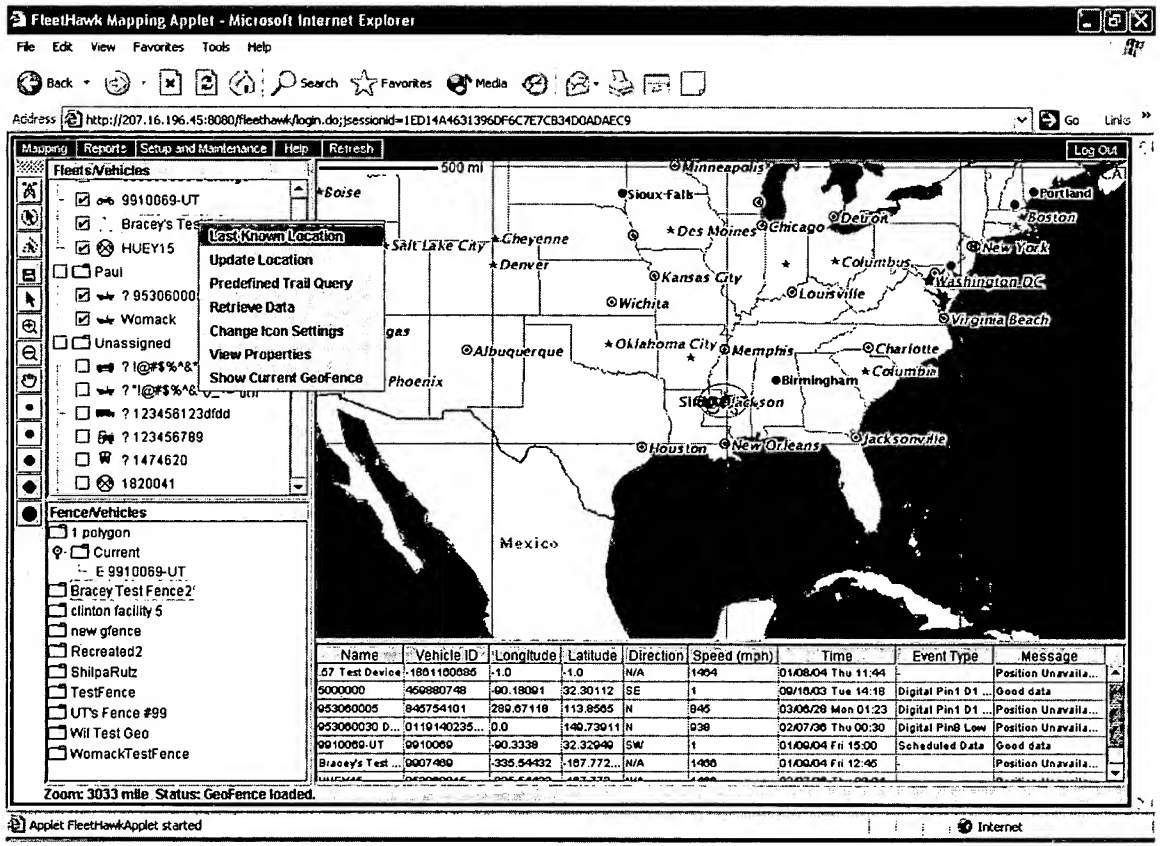

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Fleets/Vehicles
9910069-UT
Bracey's Tes
HUEY15
Paul
? 95306000
Womack
Unassigned
? 123456123dfdd
? 123456789
? 1474620
1820041
Last Known Location
Update Location
Predefined Trail Query
Retrieve Data
Change Icon Settings
View Properties
Show Current GeoFence
Fence/Vehicles
1 polygon
Current
9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
500 mi
Minneapolis
Boise
Sioux Falls
Portland
Boston
Chicago
Detroit
Des Moines
Salt Lake City
Cheyenne
Denver
Kansas City
Columbus
New York
Washington DC
Louisville
Wichita
Virginia Beach
Albuquerque
Oklahoma City
Memphis
Charlotte
Phoenix
Birmingham
Jackson
Houston
New Orleans
Jacksonville
Mexico
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
57 Test Device -1861160885 -1.0 -1.0 N/A 1464 01/08/04 Thu 11:44 Position Unavaila...
5000000 459880748 -90.18091 32.30112 SE 1 09/16/03 Tue 14:18 Digital Pin1 D1 ... Good data
953060005 845754101 289.67118 113.8565 N 845 03/06/29 Mon 01:23 Digital Pin1 D1 ... Position Unavaila...
953060030 D... 0119140235... 0.0 140.73911 N 938 02/07/36 Thu 00:30 Digital Pin8 Low Position Unavaila...
9910069-UT 9910069 -90.3338 32.32949 SW 1 01/09/04 Fri 15:00 Scheduled Data Good data
Bracey's Test ... 9007489 -335.54432 -167.772... N/A 1466 01/09/04 Fri 12:45 Position Unavaila...
Zoom: 3033 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 15b

1503

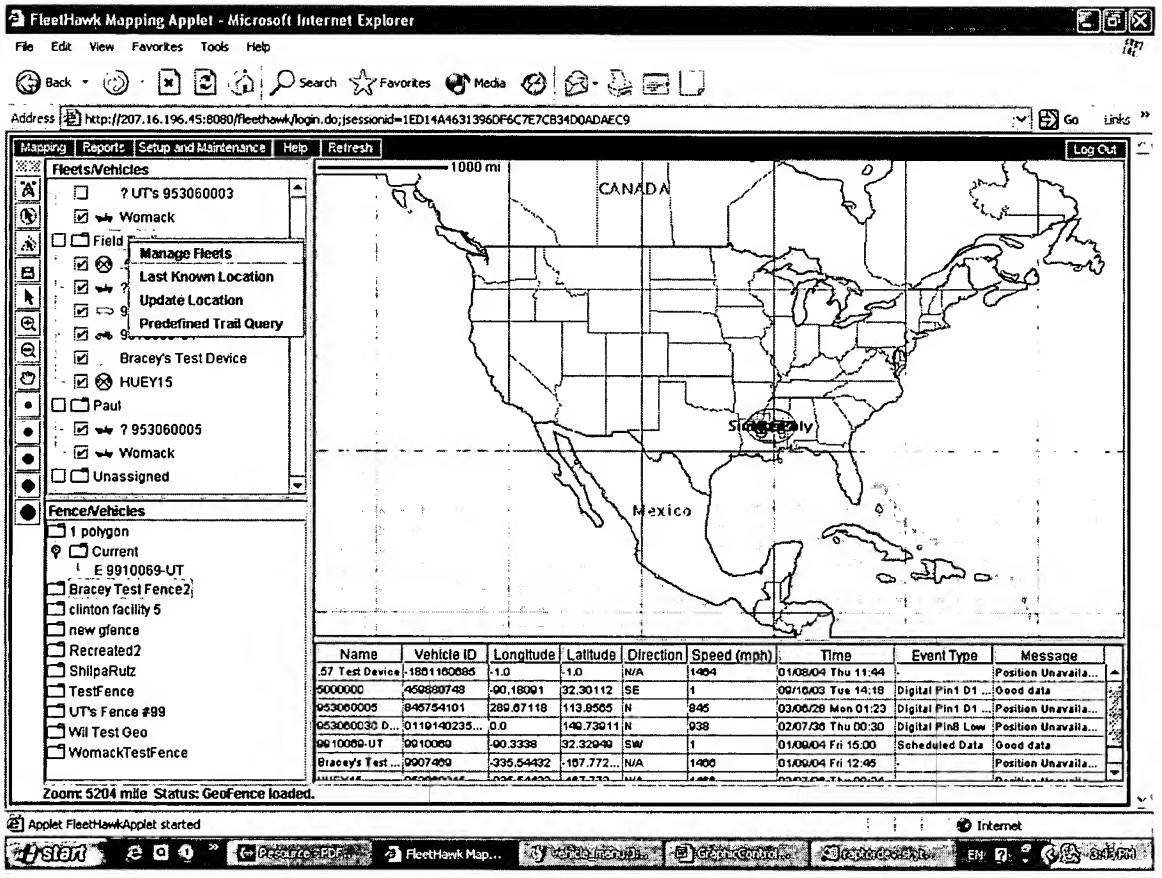

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Fleets/Vehicles
? UT's 953060003
Womack
Field
Manage Fleets
Last Known Location
Update Location
Predefined Trail Query
Bracey's Test Device
HUEY15
Paul
? 953060005
Womack
Unassigned
FenceVehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
1000 mi
CANADA
Mexico
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
57 Test Device -1801160685 -1.0 -1.0 N/A 1464 01/08/04 Thu 11:44 Position Unavaila...
5000000 459880748 -90.18091 32.30112 SE 1 09/16/03 Tue 14:18 Digital Pin1 D1 ... Good data
953060005 845754101 289.67118 113.8565 N 845 03/06/29 Mon 01:23 Digital Pin1 D1 ... Position Unavaila...
953060030 D... 0119140235... 0.0 149.73911 N 938 02/07/36 Thu 00:30 Digital Pin8 Low Position Unavaila...
9910069-UT 9910069 -90.3338 32.32949 SW 1 01/09/04 Fri 15:00 Scheduled Data Good data
Bracey's Test ... 9907469 -335.54432 -157.772... N/A 1466 01/09/04 Fri 12:45 Position Unavaila...
Zoom: 5204 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet
start
FleetHawk Map...
8:45 PM

FIG. 15c

1505

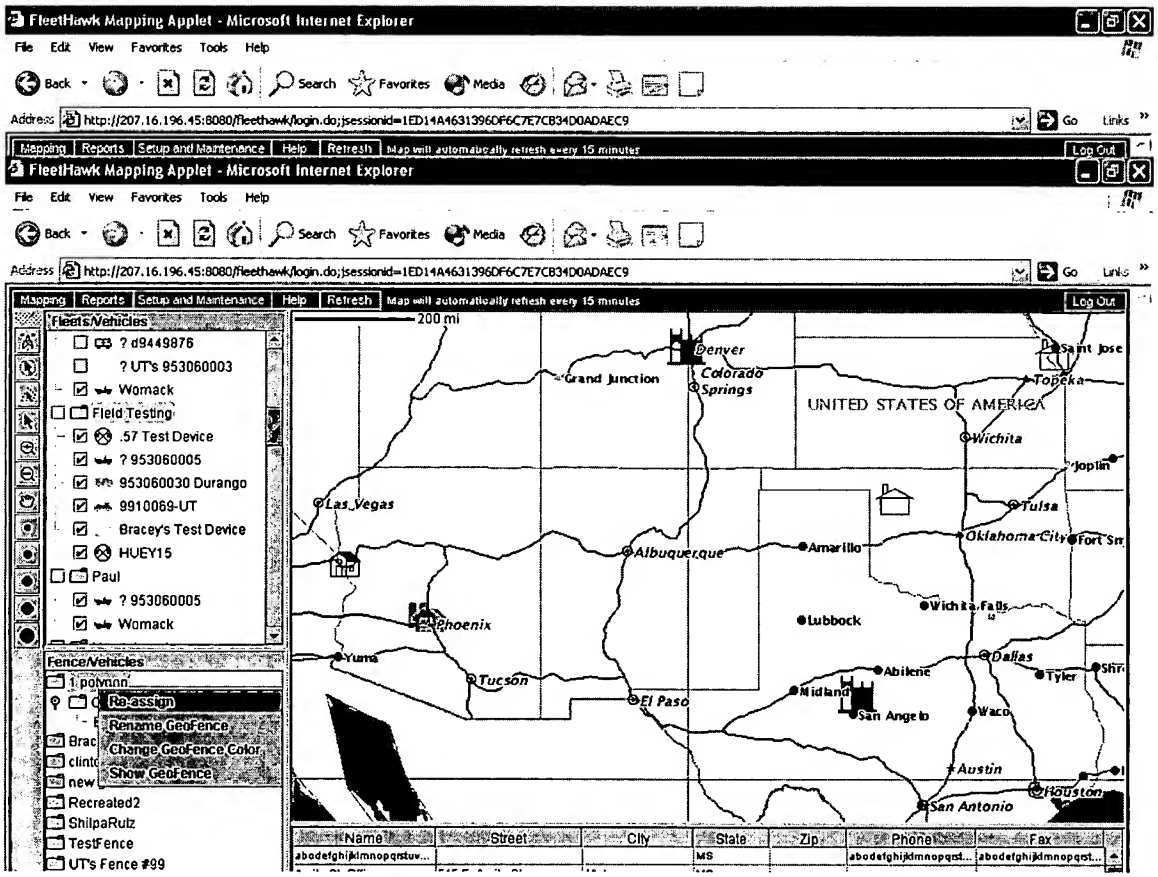

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
? d9449876
? UT's 953060003
Womack
Field Testing
.57 Test Device
? 953060005
953060030 Durango
9910069-UT
Bracey's Test Device
HUEY15
Paul
? 953060005
Womack
Fence/Vehicles
Reassign
Rename GeoFence
Change GeoFence Color
Show GeoFence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
200 mi
Denver
Colorado Springs
Grand Junction
UNITED STATES OF AMERICA
Saint Jose
Topeka
Wichita
Joplin
Las Vegas
Tulsa
Oklahoma City
Albuquerque
Amarillo
Lubbock
Phoenix
Yuma
Tucson
El Paso
Midland
Abilene
Dallas
Tyler
San Angelo
Waco
Austin
Houston
San Antonio
Name
Street
City
State
Zip
Phone
Fax

FIG. 15d

1507

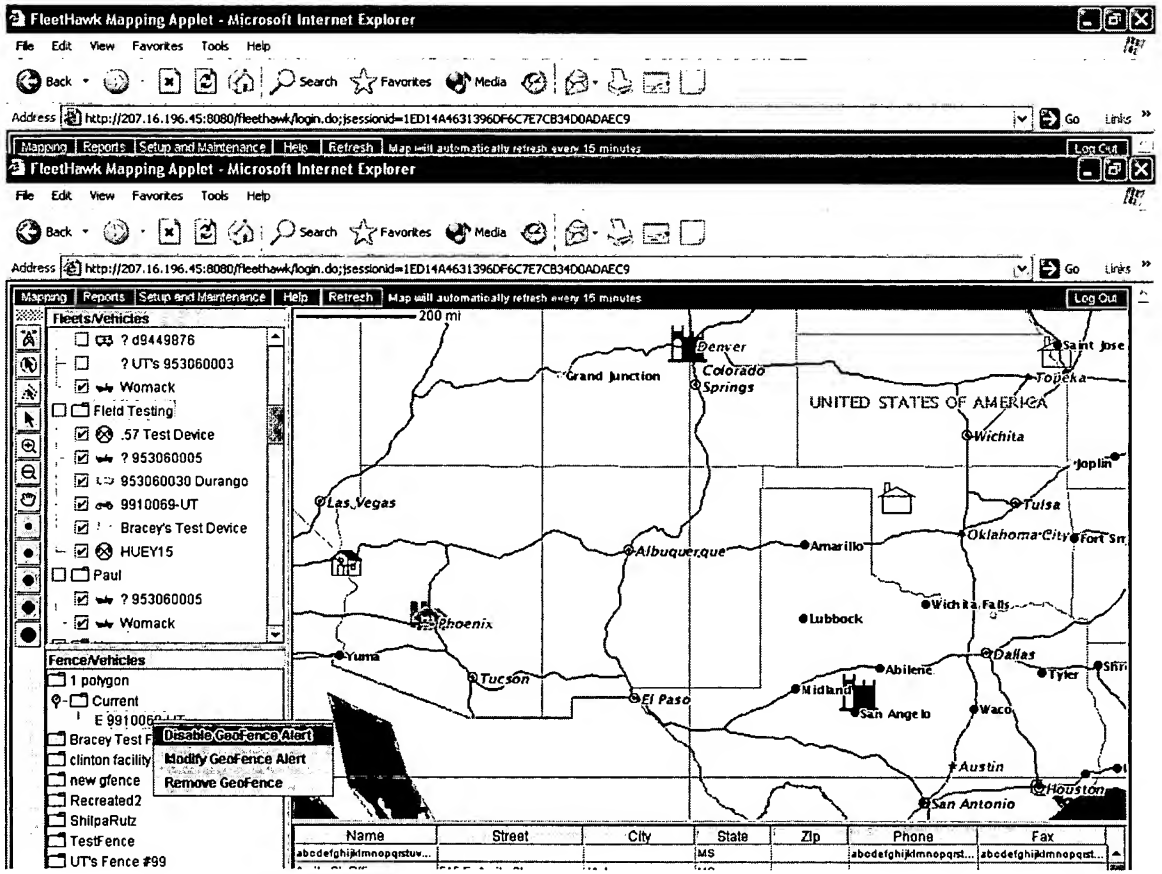

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
? d9449876
? UT's 953060003
Womack
Field Testing
.57 Test Device
? 953060005
953060030 Durango
9910069-UT
Bracey's Test Device
HUEY15
Paul
? 953060005
Womack
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test F
clinton facility
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Disable GeoFence Alert
Modify GeoFence Alert
Remove GeoFence
200 mi
Denver
Colorado Springs
Grand Junction
UNITED STATES OF AMERICA
Saint Jose
Topeka
Wichita
Joplin
Las Vegas
Albuquerque
Amarillo
Tulsa
Oklahoma City
Fort Sm
Phoenix
Lubbock
Wichita Falls
Yuma
Tucson
El Paso
Midland
Abilene
Dallas
Tyler
San Angelo
Waco
Austin
Houston
San Antonio
Name
Street
City
State
Zip
Phone
Fax
MS

FIG. 15e

1509

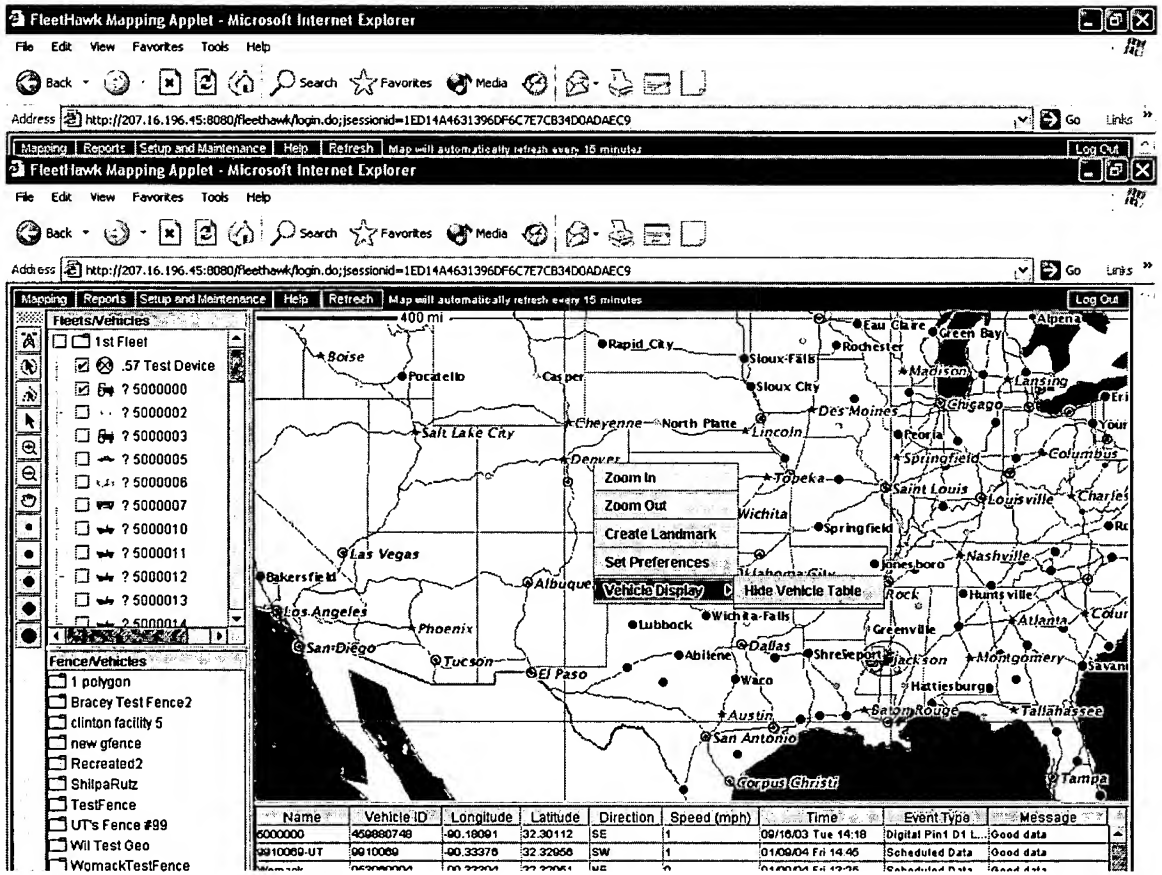

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes Log Out
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes Log Out
Fleets/Vehicles
1st Fleet
.57 Test Device
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
400 mi
Boise
Pocatello
Casper
Rapid City
Sioux Falls
Sioux City
Eau Claire
Rochester
Green Bay
Madison
Lansing
Chicago
Des Moines
Salt Lake City
Cheyenne
North Platte
Lincoln
Peoria
Springfield
Columbus
Denver
Topeka
Saint Louis
Louisville
Wichita
Springfield
Las Vegas
Albuquerque
Bakersfield
Los Angeles
Phoenix
San Diego
Tucson
El Paso
Lubbock
Wichita Falls
Abilene
Dallas
Shreveport
Waco
Austin
San Antonio
Corpus Christi
Jackson
Greenville
Atlanta
Montgomery
Hattiesburg
Baton Rouge
Tallahassee
Tampa
Nashville
Huntsville
Zoom In
Zoom Out
Create Landmark
Set Preferences
Vehicle Display
Hide Vehicle Table
Name
Vehicle ID
Longitude
Latitude
Direction
Speed (mph)
Time
Event Type
Message
6000000
459880748
-90.18091
32.30112
SE
1
09/16/03 Tue 14:18
Digital Pin1 D1 L...
Good data
9910069-UT
9910069
-90.33376
32.32958
SW
1
01/09/04 Fri 14:45
Scheduled Data
Good data

FIG. 15f

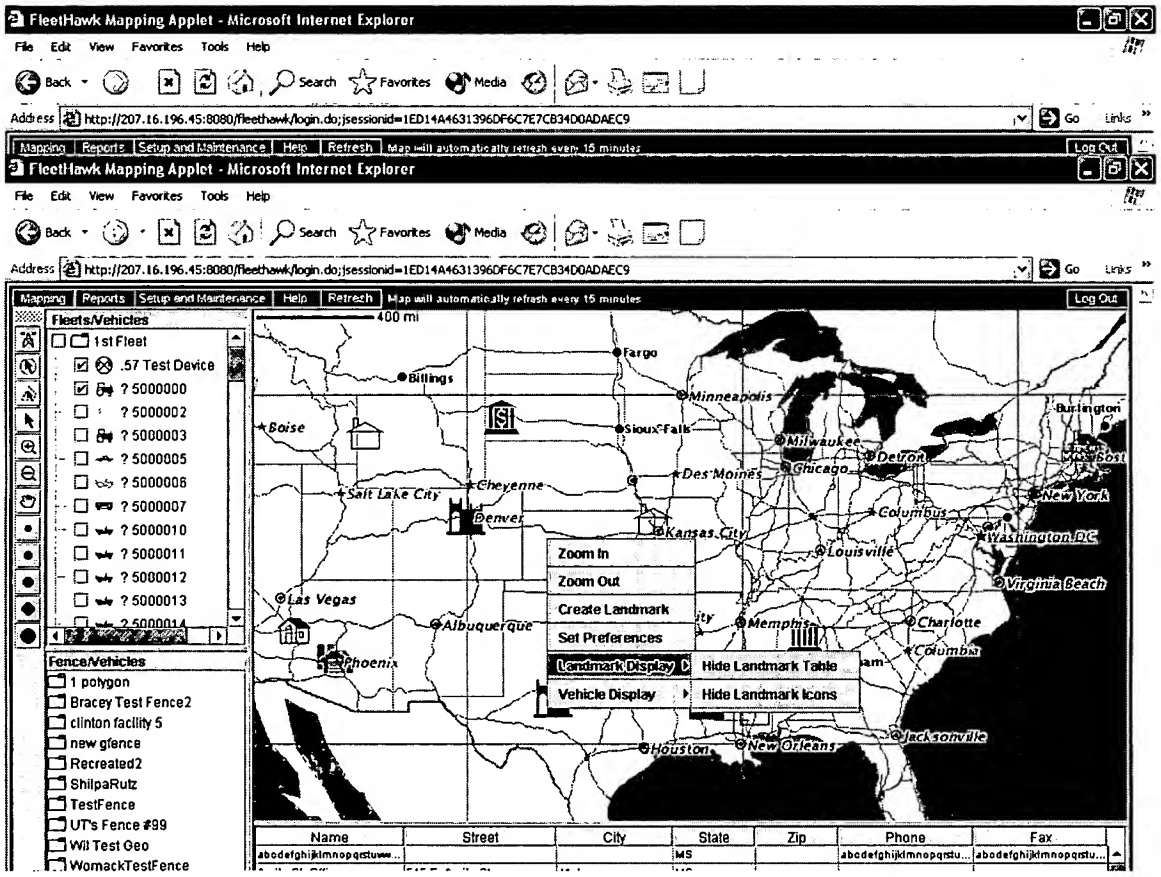

1511
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Device
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
? 5000014
Fence/Vehicles
1 polygon
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
Wil Test Geo
WomackTestFence
400 mi
Billings
Fargo
Minneapolis
Boise
Sioux Falls
Milwaukee
Detroit
Chicago
Des Moines
Cheyenne
Salt Lake City
Denver
Kansas City
Columbus
New York
Washington DC
Louisville
Virginia Beach
Las Vegas
Albuquerque
Memphis
Charlotte
Phoenix
Houston
New Orleans
Jacksonville
Zoom In
Zoom Out
Create Landmark
Set Preferences
Landmark Display
Hide Landmark Table
Vehicle Display
Hide Landmark Icons
Name
Street
City
State
Zip
Phone
Fax

FIG. 15g

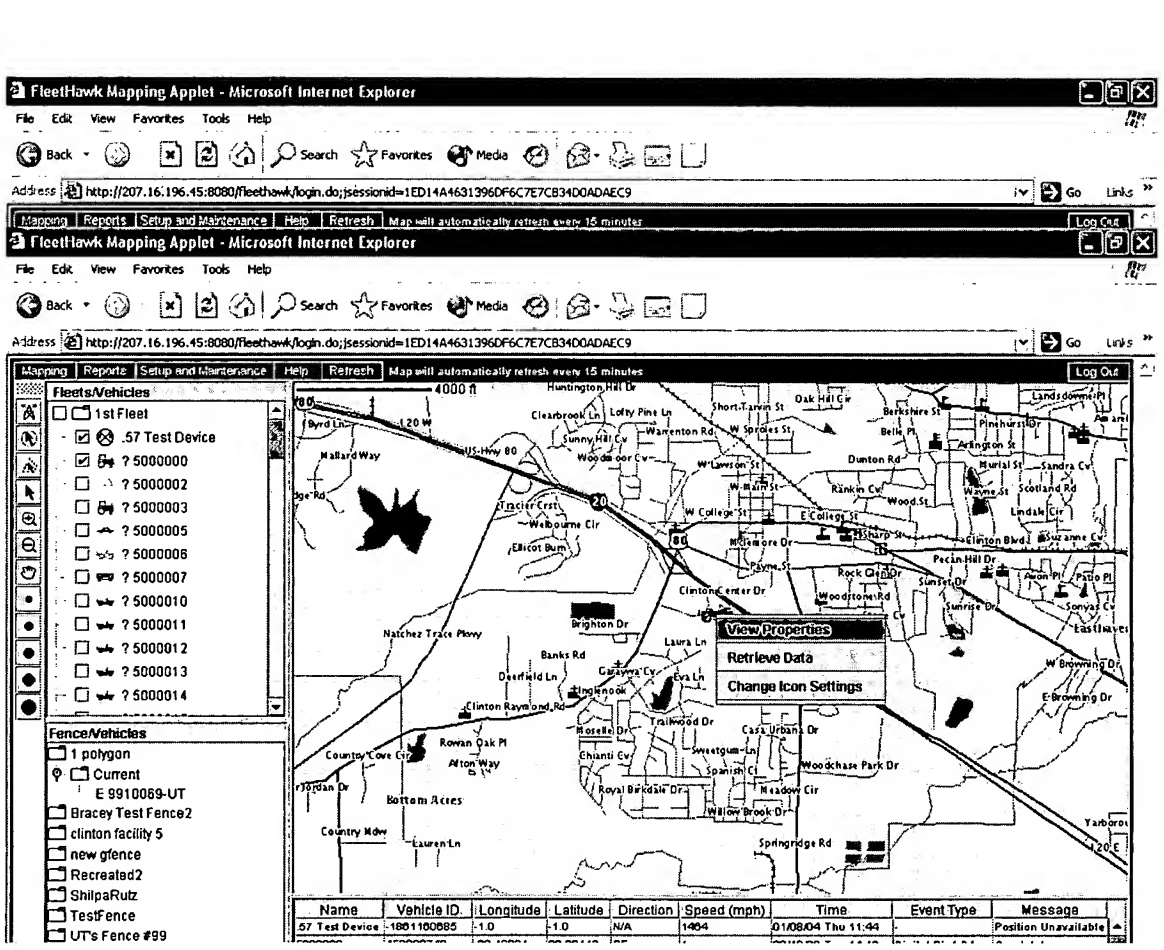

1513
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Device
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
? 5000014
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
4000 ft
View Properties
Retrieve Data
Change Icon Settings
Name
Vehicle ID.
Longitude
Latitude
Direction
Speed (mph)
Time
Event Type
Message
.57 Test Device
-1861160685
-1.0
-1.0
N/A
1464
01/08/04 Thu 11:44
Position Unavailable

FIG. 15h

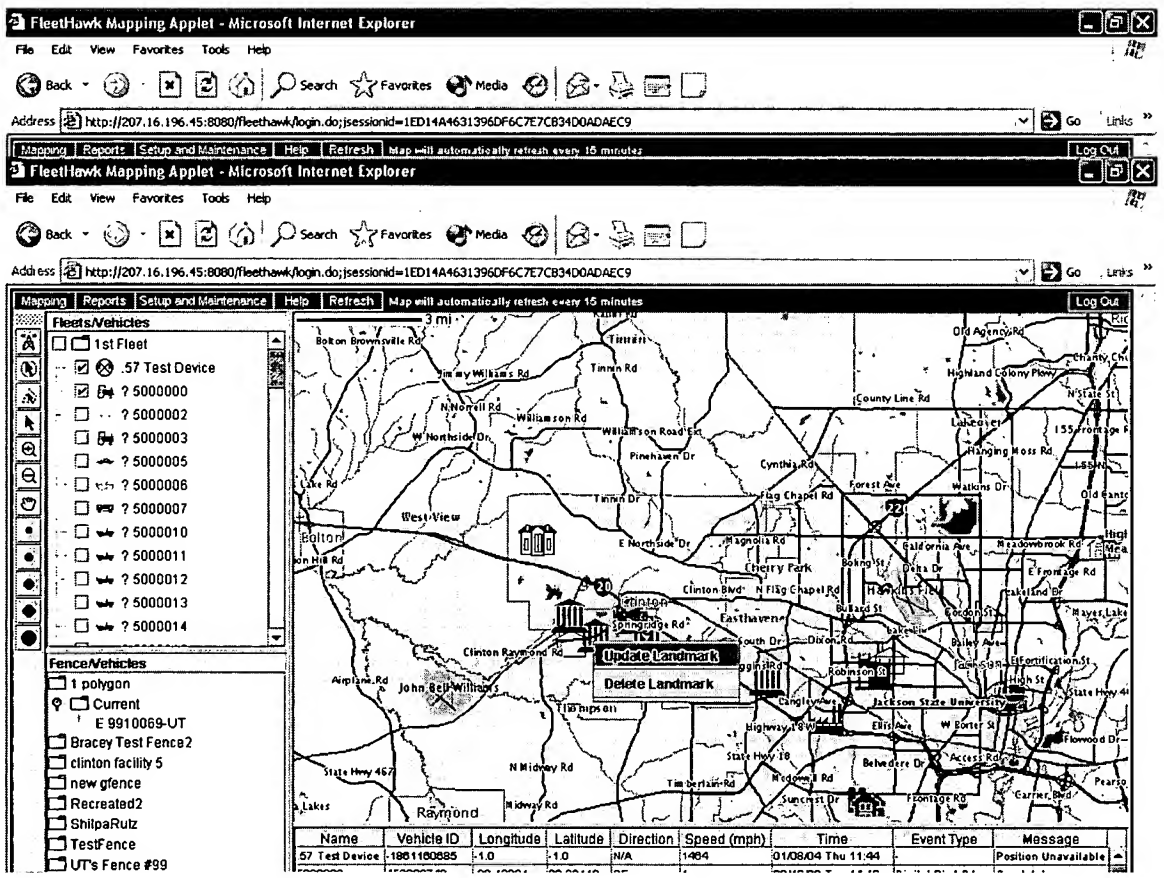

1515
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Device
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
? 5000014
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
TestFence
UT's Fence #99
3 mi
Update Landmark
Delete Landmark
Name
Vehicle ID
Longitude
Latitude
Direction
Speed (mph)
Time
Event Type
Message
57 Test Device
-1861160885
-1.0
-1.0
N/A
1464
01/08/04 Thu 11:44
Position Unavailable

FIG. 15i

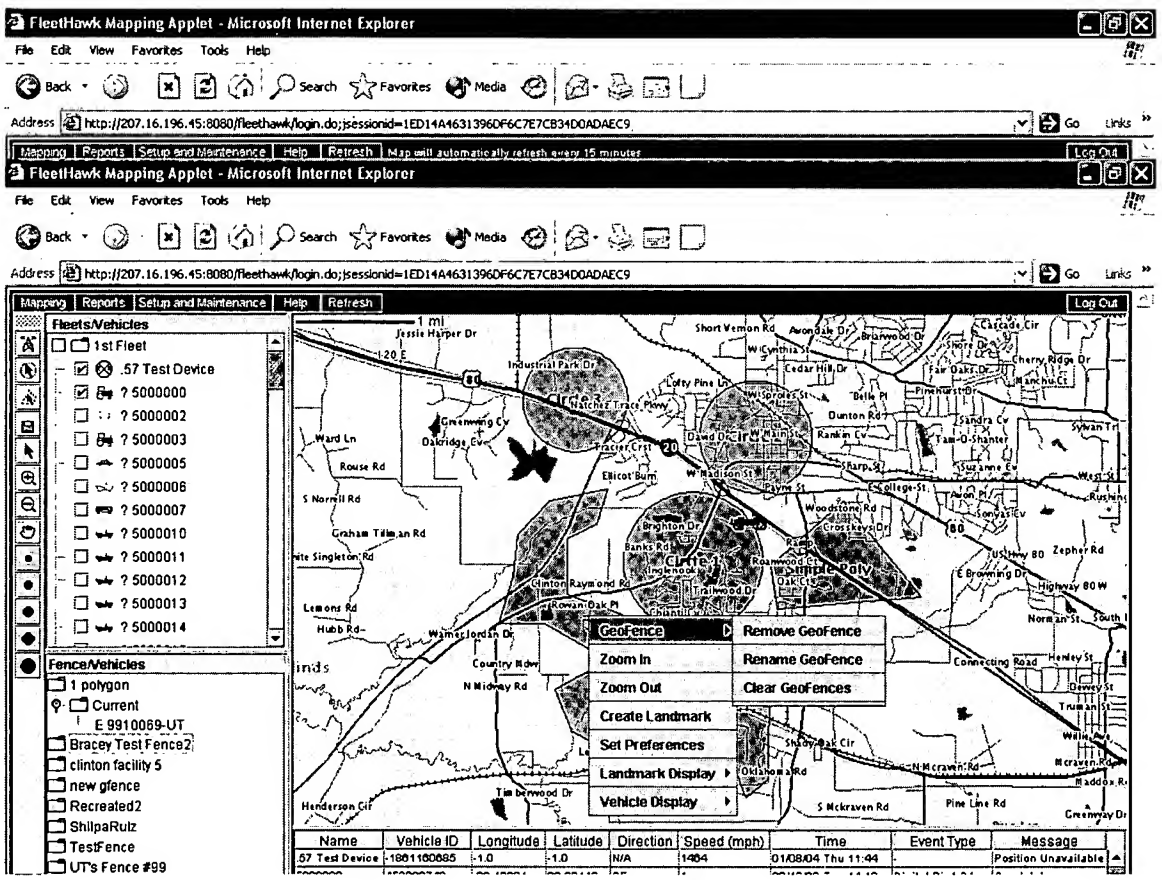

1517
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Map will automatically refresh every 15 minutes
Log Out
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Device
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
? 5000014
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
TestFence
UT's Fence #99
1 mi
GeoFence
Remove GeoFence
Zoom In
Rename GeoFence
Zoom Out
Clear GeoFences
Create Landmark
Set Preferences
Landmark Display
Vehicle Display
Name
Vehicle ID
Longitude
Latitude
Direction
Speed (mph)
Time
Event Type
Message
.57 Test Device
-1.0
-1.0
N/A
1464
01/08/04 Thu 11:44
Position Unavailable

FIG. 16a

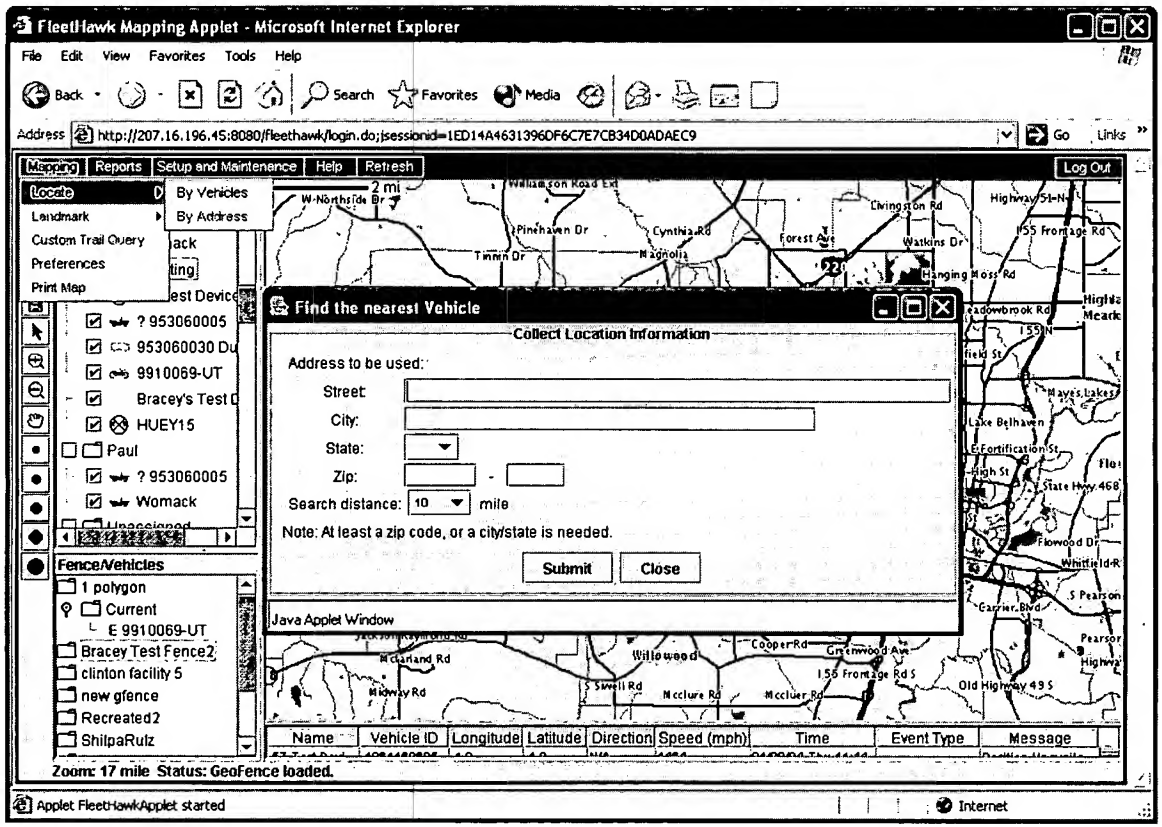

1601
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Locate
Landmark
Custom Trail Query
Preferences
Print Map
By Vehicles
By Address
Find the nearest Vehicle
Collect Location Information
Address to be used:
Street:
City:
State:
Zip:
Search distance: 10 mile
Note: At least a zip code, or a city/state is needed.
Submit
Close
Java Applet Window
? 953060005
953060030 Du
9910069-UT
Bracey's Test D
HUEY15
Paul
? 953060005
Womack
Fence/Vehicles
1 polygon
Current
9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 16b

1603

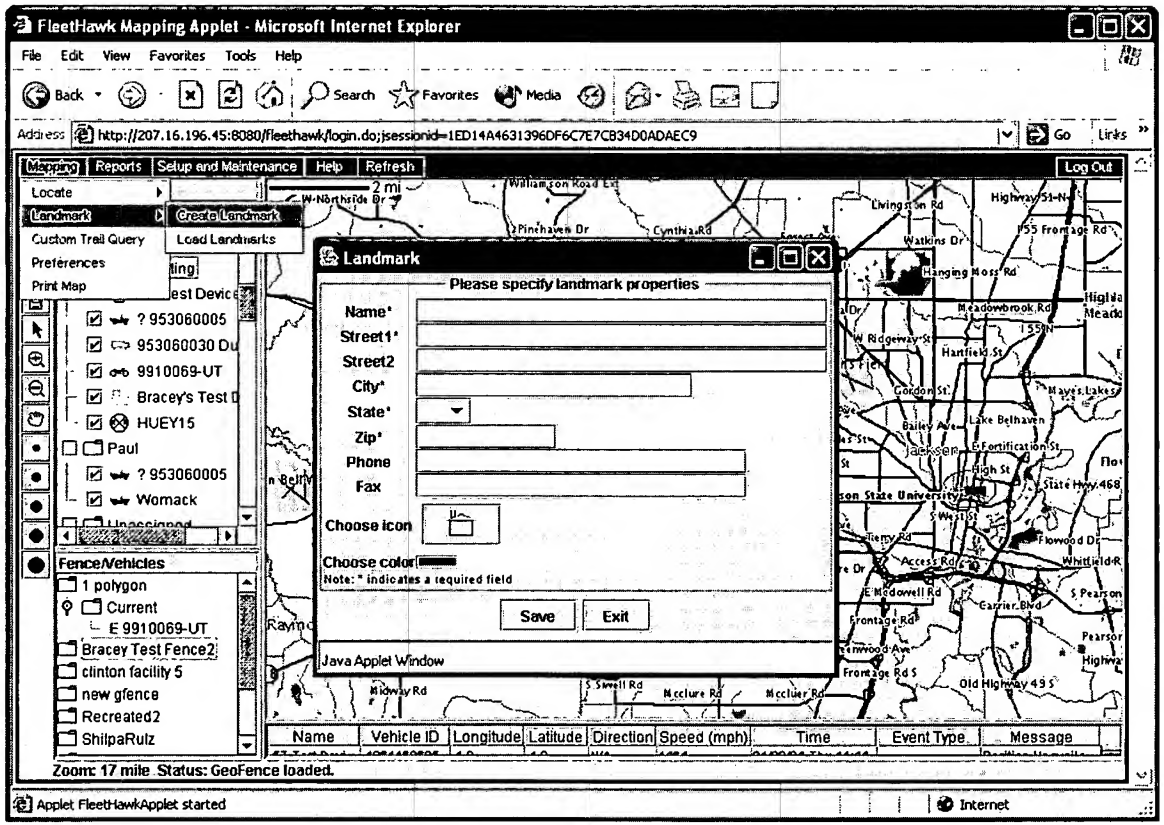

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Locate
Landmark
Custom Trail Query
Preferences
Print Map
Create Landmark
Load Landmarks
Landmark
Please specify landmark properties
Name*
Street1*
Street2
City*
State*
Zip*
Phone
Fax
Choose icon
Choose color
Note: * indicates a required field
Save
Exit
Java Applet Window
? 953060005
953060030 Du
9910069-UT
Bracey's Test D
HUEY15
Paul
? 953060005
Womack
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Name
Vehicle ID
Longitude
Latitude
Direction
Speed (mph)
Time
Event Type
Message
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 16c

1605

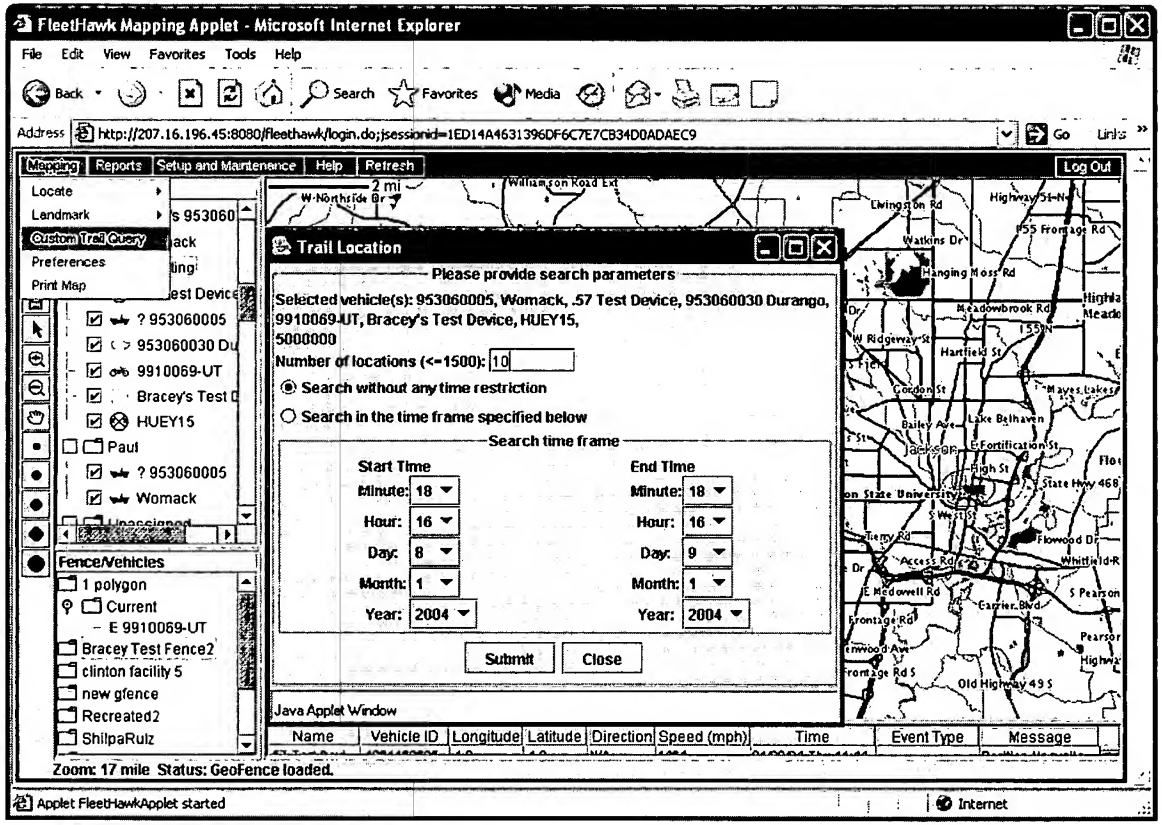

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Log Out
Locate
Landmark
Custom Trail Query
Preferences
Print Map
? 953060005
953060030 Du
9910069-UT
Bracey's Test
HUEY15
Paul
? 953060005
Womack
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Trail Location
Please provide search parameters
Selected vehicle(s): 953060005, Womack, .57 Test Device, 953060030 Durango, 9910069-UT, Bracey's Test Device, HUEY15, 5000000
Number of locations (<=1500): 10
Search without any time restriction
Search in the time frame specified below
Search time frame
Start Time
Minute: 18
Hour: 16
Day: 8
Month: 1
Year: 2004
End Time
Minute: 18
Hour: 16
Day: 9
Month: 1
Year: 2004
Submit
Close
Java Applet Window
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 16d

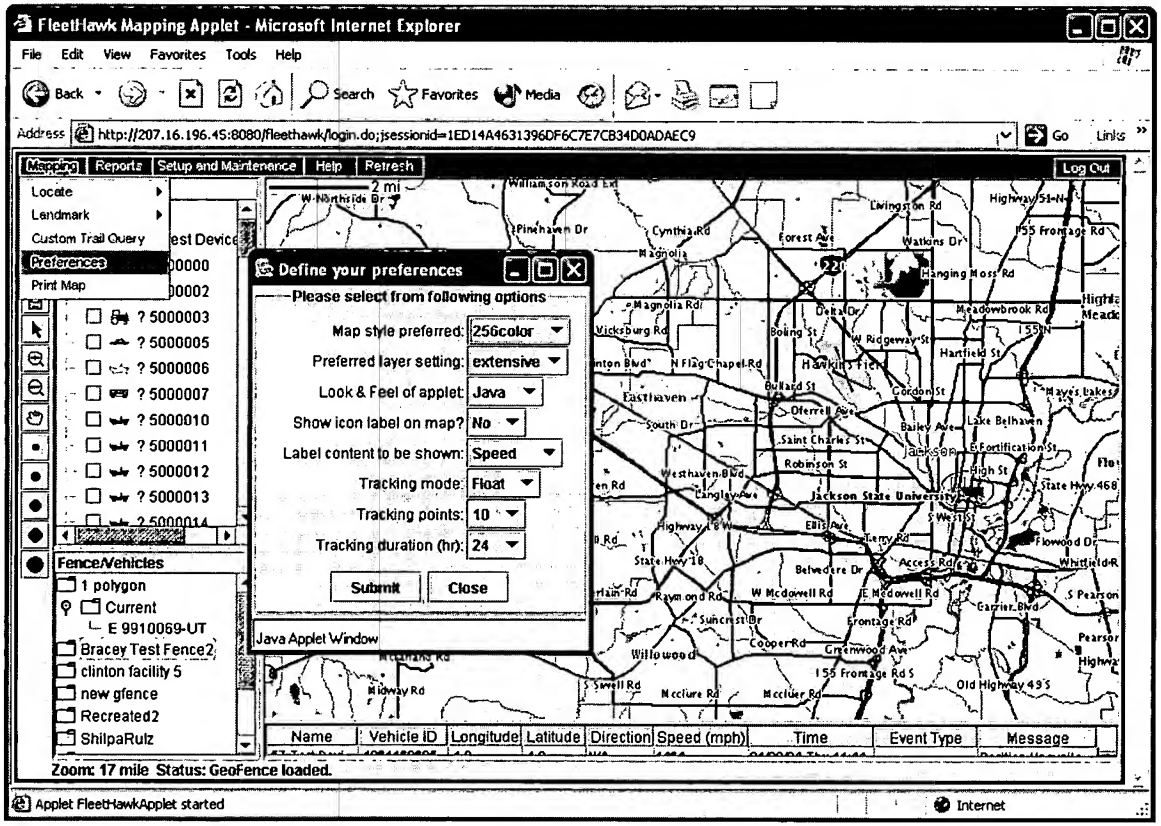

1607
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Locate
Landmark
Custom Trail Query
Preferences
Print Map
Define your preferences
Please select from following options
Map style preferred: 256color
Preferred layer setting: extensive
Look & Feel of applet: Java
Show icon label on map? No
Label content to be shown: Speed
Tracking mode: Float
Tracking points: 10
Tracking duration (hr): 24
Submit
Close
Java Applet Window
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 16e

1609

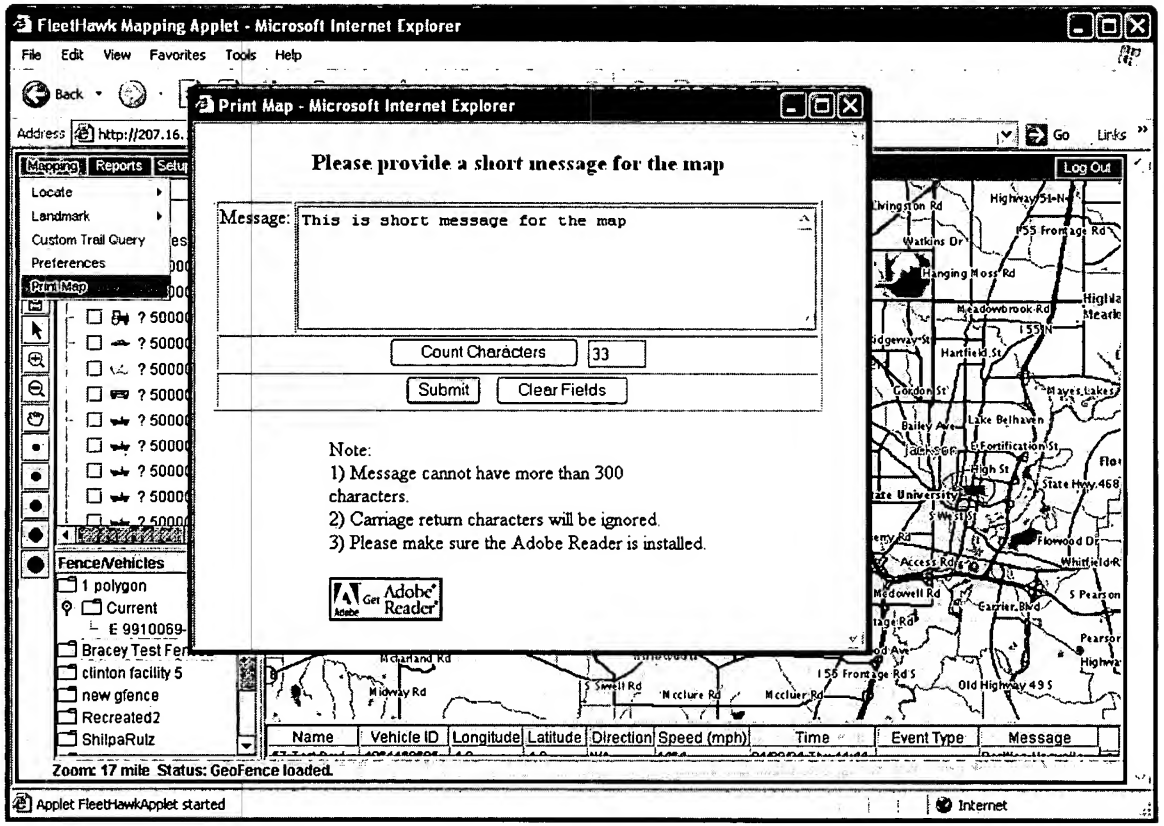

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back
Address http://207.16.
Go Links
Mapping Reports Setup
Locate
Landmark
Custom Trail Query
Preferences
Print Map
Log Out
Print Map - Microsoft Internet Explorer
Please provide a short message for the map
Message: This is short message for the map
Count Characters 33
Submit Clear Fields
Note:
1) Message cannot have more than 300 characters.
2) Carriage return characters will be ignored.
3) Please make sure the Adobe Reader is installed.
Get Adobe Reader
Fence/Vehicles
1 polygon
Current
E 9910069-
Bracey Test Fen
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Name Vehicle ID Longitude Latitude Direction Speed (mph) Time Event Type Message
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 16f

1611

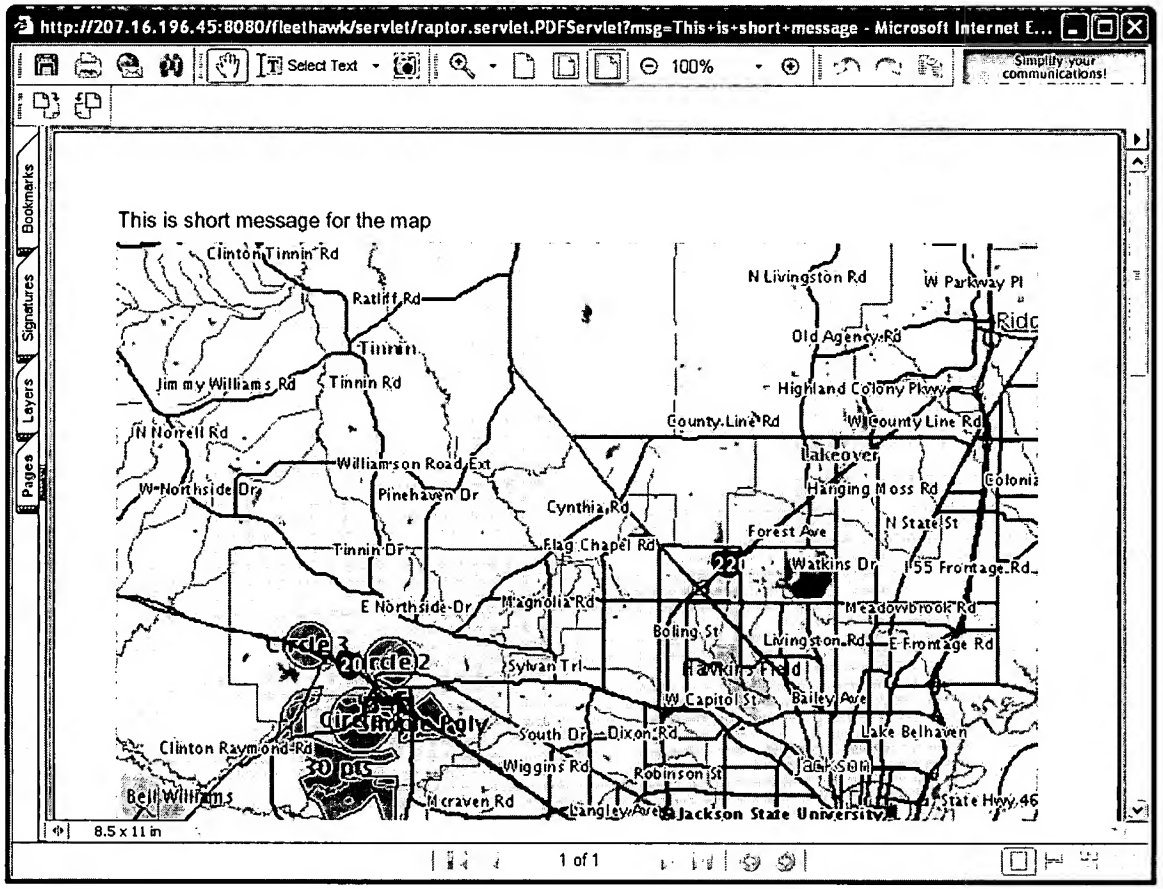

http://207.16.196.45:8080/fleethawk/servlet/raptor.servlet.PDFServlet?msg=This+is+short+message - Microsoft Internet E...
Select Text
100%
Simplify your communications!
Bookmarks
Signatures
Layers
Pages
This is short message for the map
Clinton Tinnin Rd
Ratliff Rd
Tinnin
Jimmy Williams Rd
Tinnin Rd
N Norrell Rd
Williamson Road Ext
W Northside Dr
Pinehaven Dr
Cynthia Rd
Tinnin Dr
Flag Chapel Rd
E Northside Dr
Magnolia Rd
Circle 3
Circle 2
Sylvan Trl
Circle Eagle
Clinton Raymond Rd
20 pts
Bell Williams
Wiggins Rd
Mcraven Rd
Langley Ave
South Dr
Dixon Rd
Robinson St
Jackson State University
W Capitol St
Bailey Ave
Boling St
Livingston Rd
Hawkins Field
E Frontage Rd
Meadowbrook Rd
Watkins Dr
Forest Ave
N State St
I55 Frontage Rd
Lake Belhaven
State Hwy 46
N Livingston Rd
W Parkway Pl
Old Agency Rd
Highland Colony Pkwy
County Line Rd
W County Line Rd
Lakeover
Hanging Moss Rd
8.5 x 11 in
1 of 1

FIG. 17a

1701

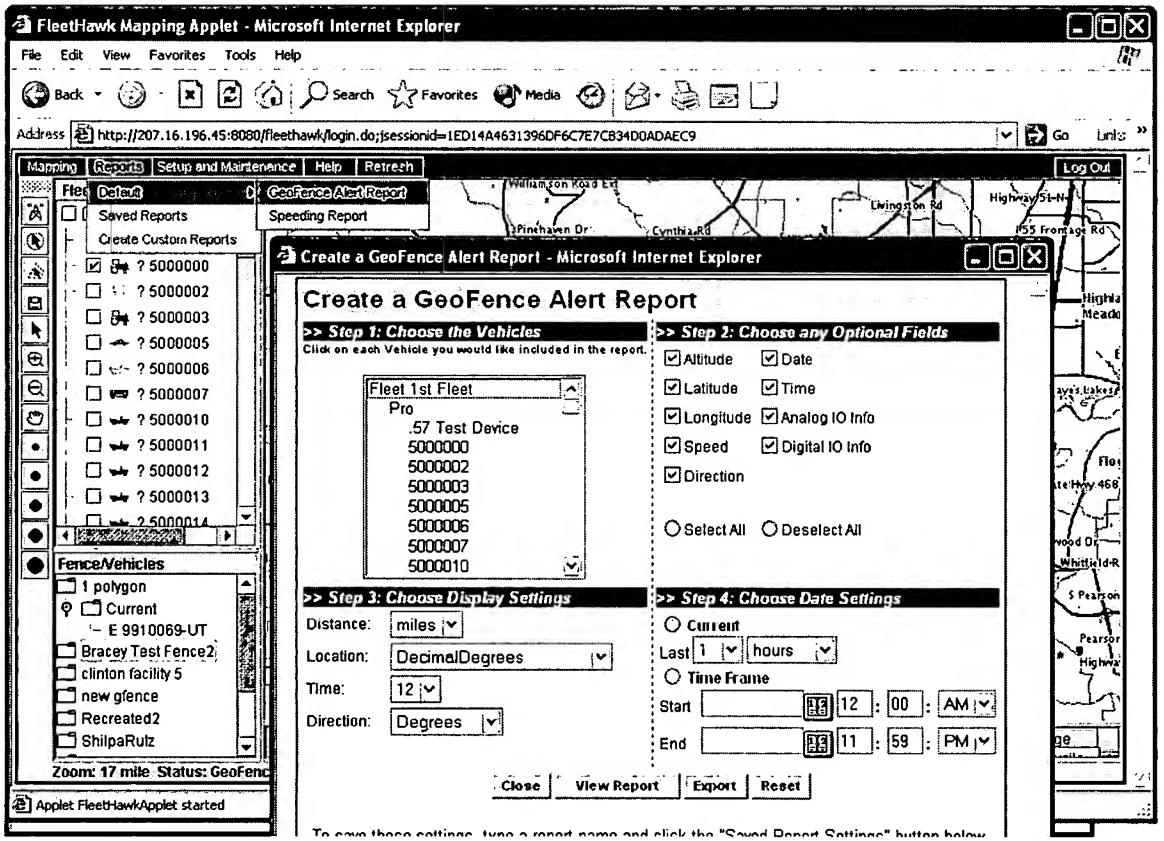

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Default
Saved Reports
Create Custom Reports
GeoFence Alert Report
Speeding Report
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Zoom: 17 mile Status: GeoFenc
Applet FleetHawkApplet started
Create a GeoFence Alert Report - Microsoft Internet Explorer
Create a GeoFence Alert Report
>> Step 1: Choose the Vehicles
Click on each Vehicle you would like included in the report.
Fleet 1st Fleet
Pro
.57 Test Device
5000000
5000002
5000003
5000005
5000006
5000007
5000010
>> Step 2: Choose any Optional Fields
Altitude
Date
Latitude
Time
Longitude
Analog IO Info
Speed
Digital IO Info
Direction
Select All
Deselect All
>> Step 3: Choose Display Settings
Distance: miles
Location: DecimalDegrees
Time: 12
Direction: Degrees
>> Step 4: Choose Date Settings
Current
Last 1 hours
Time Frame
Start 12 : 00 AM
End 11 : 59 PM
Close
View Report
Export
Reset

FIG. 17b

1703

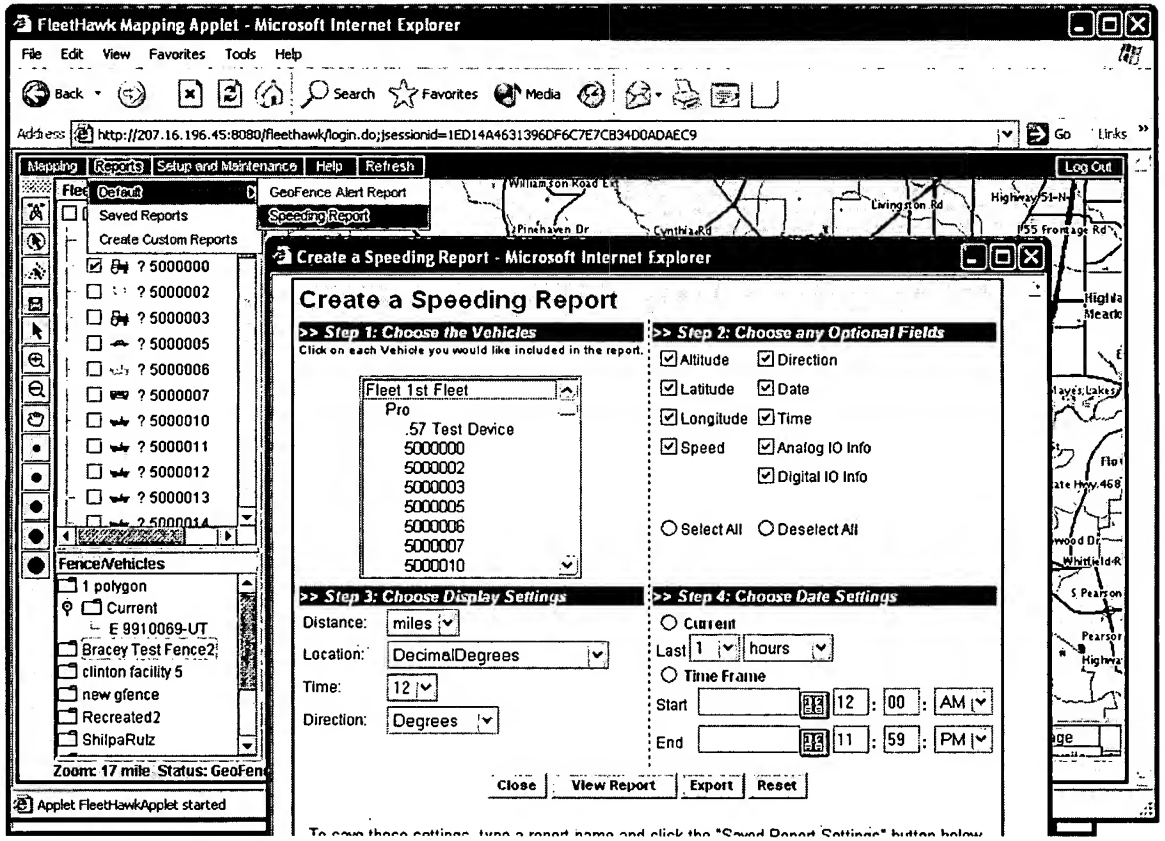

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Default
Saved Reports
Create Custom Reports
GeoFence Alert Report
Speeding Report
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Zoom: 17 mile Status: GeoFen
Applet FleetHawkApplet started
Create a Speeding Report - Microsoft Internet Explorer
Create a Speeding Report
>> Step 1: Choose the Vehicles
Click on each Vehicle you would like included in the report.
Fleet 1st Fleet
Pro
.57 Test Device
5000000
5000002
5000003
5000005
5000006
5000007
5000010
>> Step 2: Choose any Optional Fields
Altitude
Direction
Latitude
Date
Longitude
Time
Speed
Analog IO Info
Digital IO Info
Select All
Deselect All
>> Step 3: Choose Display Settings
Distance: miles
Location: DecimalDegrees
Time: 12
Direction: Degrees
>> Step 4: Choose Date Settings
Current
Last 1 hours
Time Frame
Start 12 : 00 AM
End 11 : 59 PM
Close
View Report
Export
Reset

FIG. 17c

1705

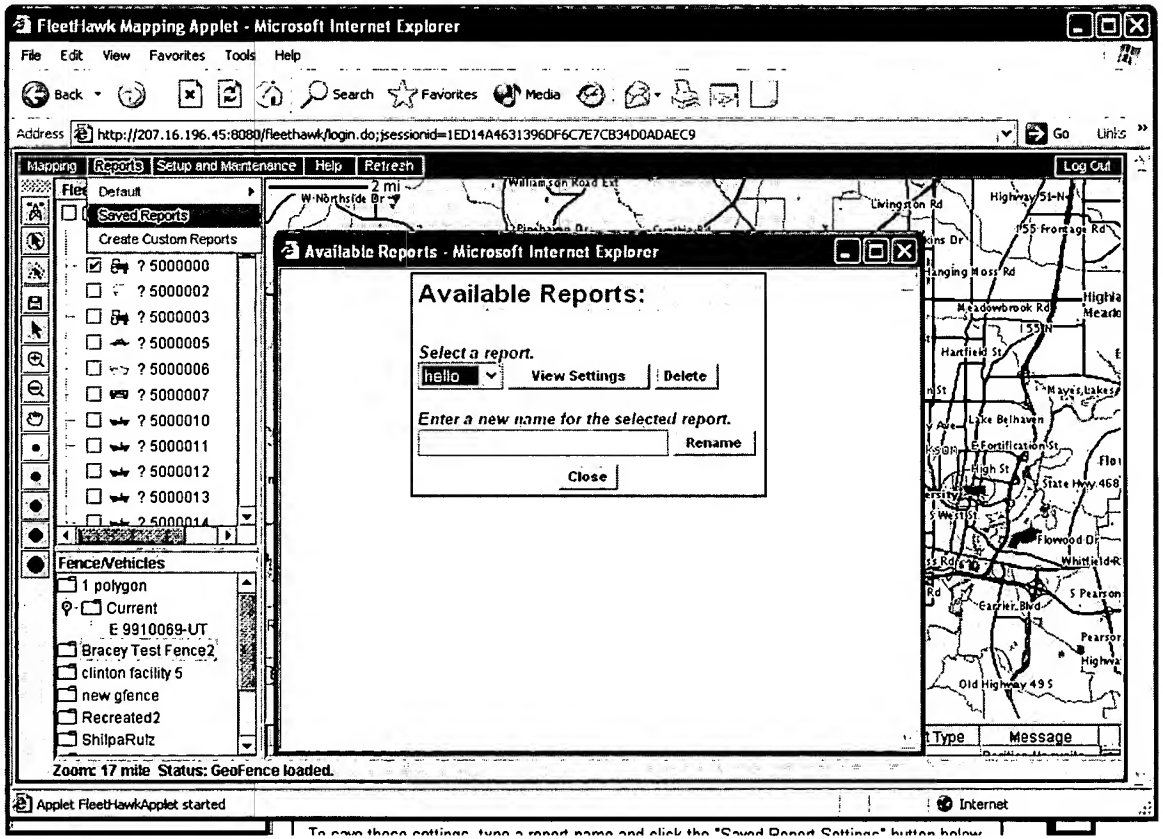

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Default
Saved Reports
Create Custom Reports
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Available Reports - Microsoft Internet Explorer
Available Reports:
Select a report.
hello
View Settings
Delete
Enter a new name for the selected report.
Rename
Close
Type
Message
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 17d

1707

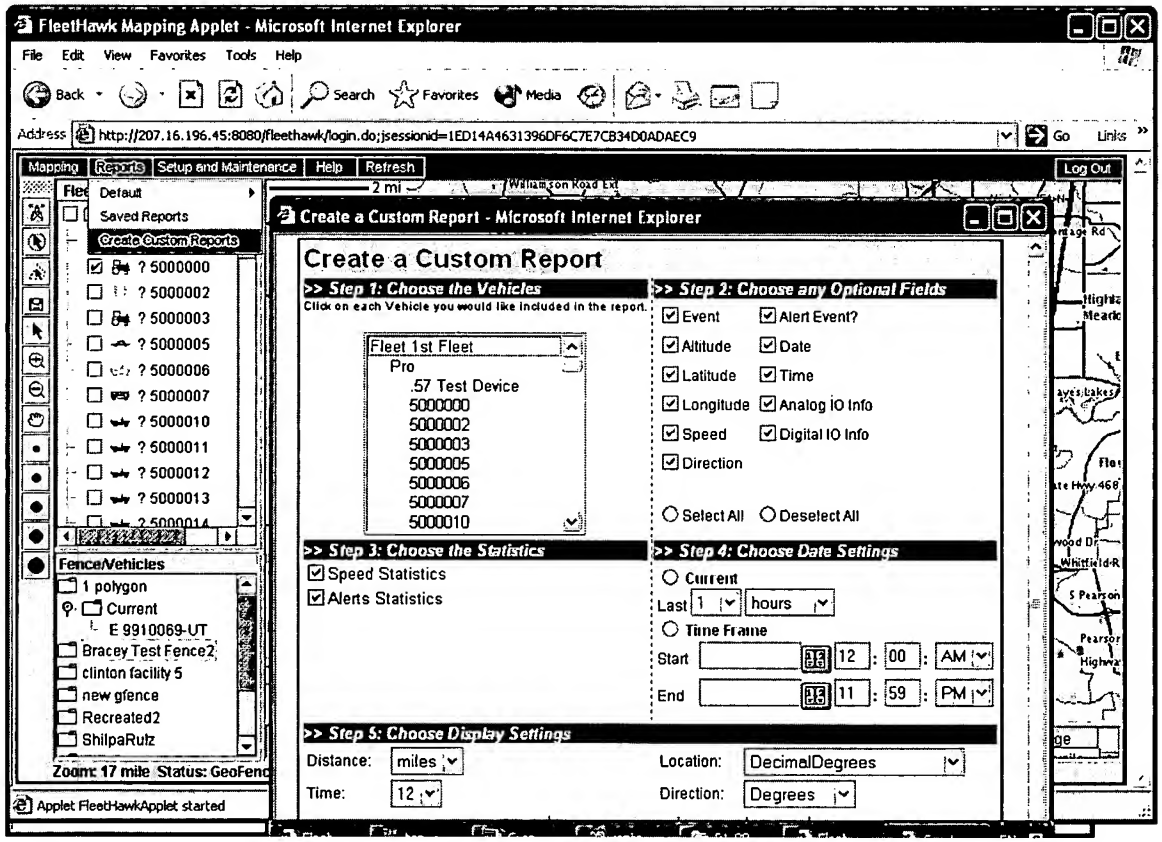

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Default
Saved Reports
Create Custom Reports
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
Zoom: 17 mile Status: GeoFenc
Applet FleetHawkApplet started
2 mi
Create a Custom Report - Microsoft Internet Explorer
Create a Custom Report
>> Step 1: Choose the Vehicles
Click on each Vehicle you would like included in the report.
Fleet 1st Fleet
Pro
.57 Test Device
5000000
5000002
5000003
5000005
5000006
5000007
5000010
>> Step 2: Choose any Optional Fields
Event
Alert Event?
Altitude
Date
Latitude
Time
Longitude
Analog IO Info
Speed
Digital IO Info
Direction
Select All
Deselect All
>> Step 3: Choose the Statistics
Speed Statistics
Alerts Statistics
>> Step 4: Choose Date Settings
Current
Last 1 hours
Time Frame
Start 12 : 00 AM
End 11 : 59 PM
>> Step 5: Choose Display Settings
Distance: miles
Time: 12
Location: DecimalDegrees
Direction: Degrees

FIG. 18a

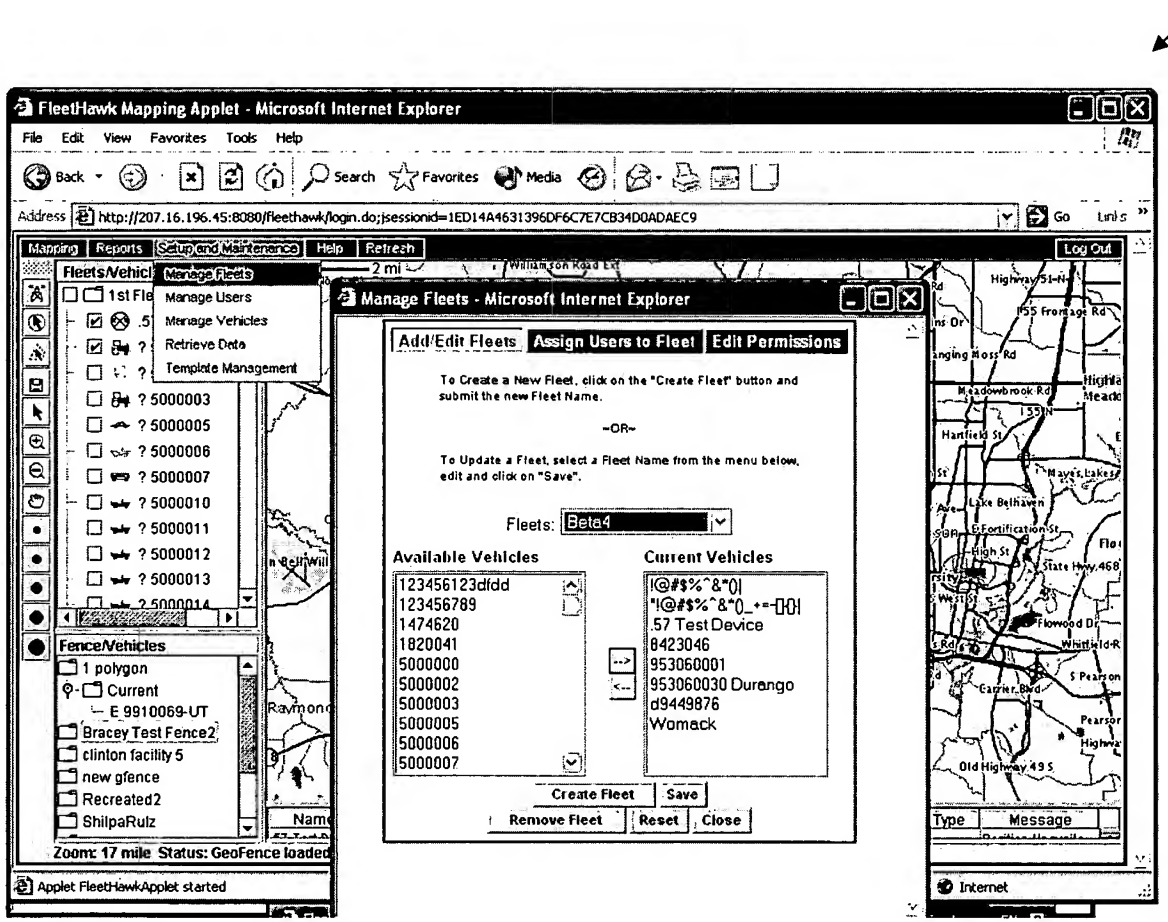

1801
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Log Out
Manage Fleets
Manage Users
Manage Vehicles
Retrieve Data
Template Management
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Zoom: 17 mile Status: GeoFence loaded
Applet FleetHawkApplet started
Manage Fleets - Microsoft Internet Explorer
Add/Edit Fleets
Assign Users to Fleet
Edit Permissions
To Create a New Fleet, click on the "Create Fleet" button and submit the new Fleet Name.
-OR-
To Update a Fleet, select a Fleet Name from the menu below, edit and click on "Save".
Fleets: Beta4
Available Vehicles
123456123dfdd
123456789
1474620
1820041
5000000
5000002
5000003
5000005
5000006
5000007
Current Vehicles
!@#$%^&*()|
!@#$%^&()_+=-[]{}|
.57 Test Device
8423046
953060001
953060030 Durango
d9449876
Womack
Create Fleet
Save
Remove Fleet
Reset
Close
Type
Message
Internet

FIG. 18b

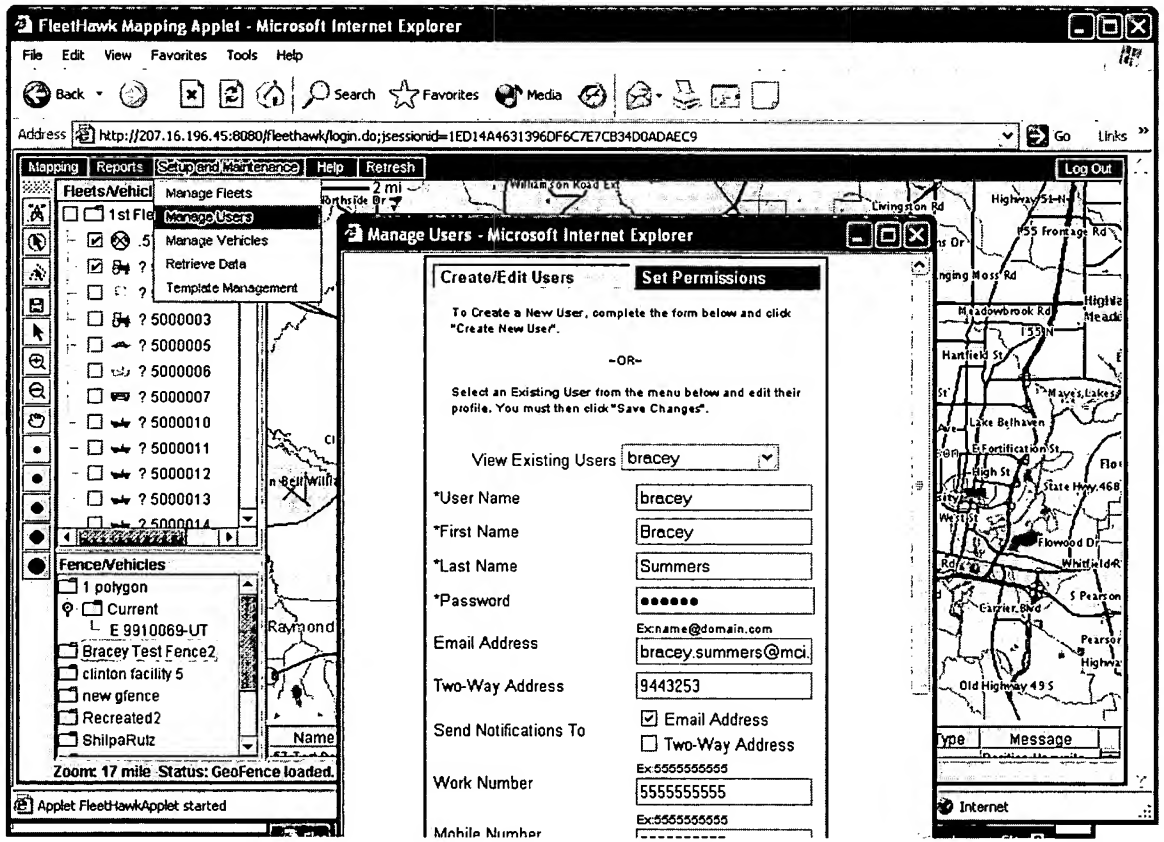

1803
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Fleets/Vehicl
Manage Fleets
Manage Users
Manage Vehicles
Retrieve Data
Template Management
1st Fle
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Manage Users - Microsoft Internet Explorer
Create/Edit Users
Set Permissions
To Create a New User, complete the form below and click "Create New User".
-OR-
Select an Existing User from the menu below and edit their profile. You must then click "Save Changes".
View Existing Users bracey
*User Name bracey
*First Name Bracey
*Last Name Summers
*Password
Ex:name@domain.com
Email Address bracey.summers@mci.
Two-Way Address 9443253
Send Notifications To
Email Address
Two-Way Address
Ex:5555555555
Work Number 5555555555
Ex:5555555555
Mobile Number
Type Message
Internet

FIG. 18c

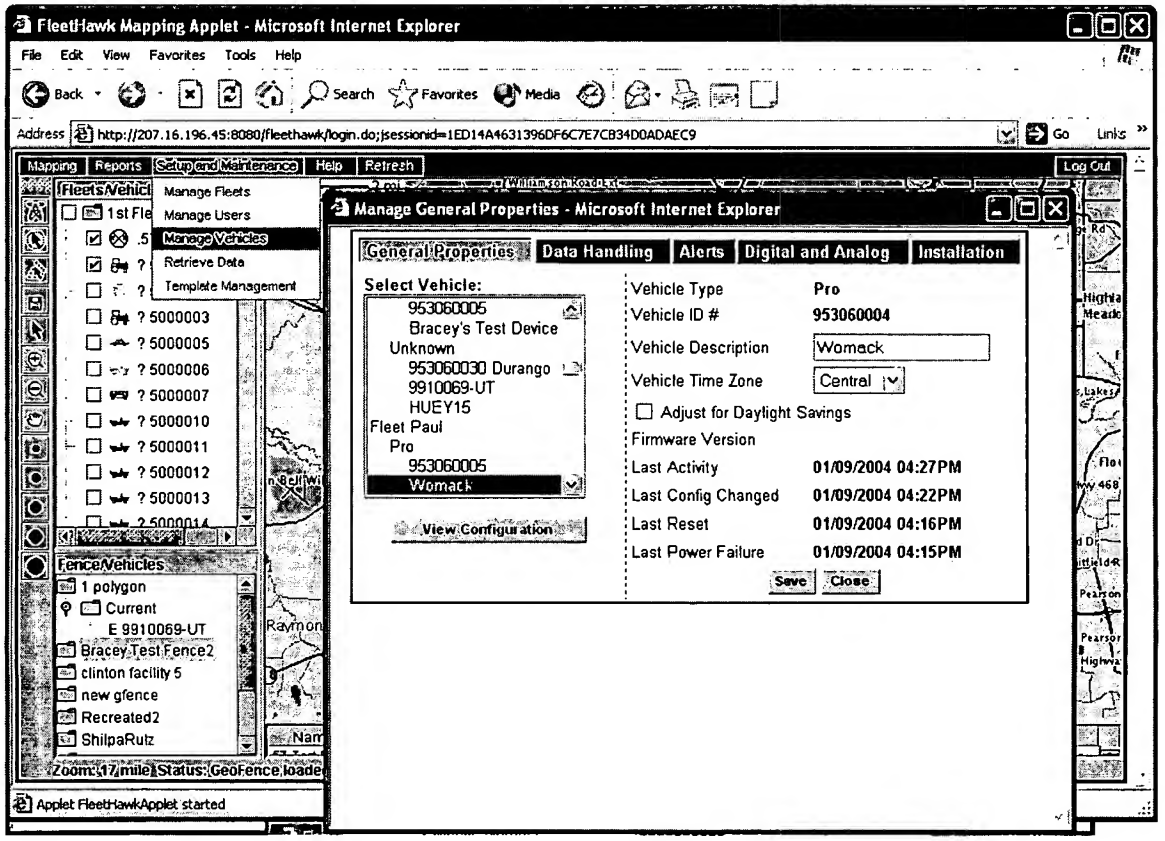

1805
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Log Out
Manage Fleets
Manage Users
Manage Vehicles
Retrieve Data
Template Management
Manage General Properties - Microsoft Internet Explorer
General Properties Data Handling Alerts Digital and Analog Installation
Select Vehicle:
953060005
Bracey's Test Device
Unknown
953060030 Durango
9910069-UT
HUEY15
Fleet Paul
Pro
953060005
Womack
View Configuration
Vehicle Type Pro
Vehicle ID # 953060004
Vehicle Description Womack
Vehicle Time Zone Central
Adjust for Daylight Savings
Firmware Version
Last Activity 01/09/2004 04:27PM
Last Config Changed 01/09/2004 04:22PM
Last Reset 01/09/2004 04:16PM
Last Power Failure 01/09/2004 04:15PM
Save Close
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
Zoom: 17 mile Status: GeoFence loade
Applet FleetHawkApplet started

FIG. 18d

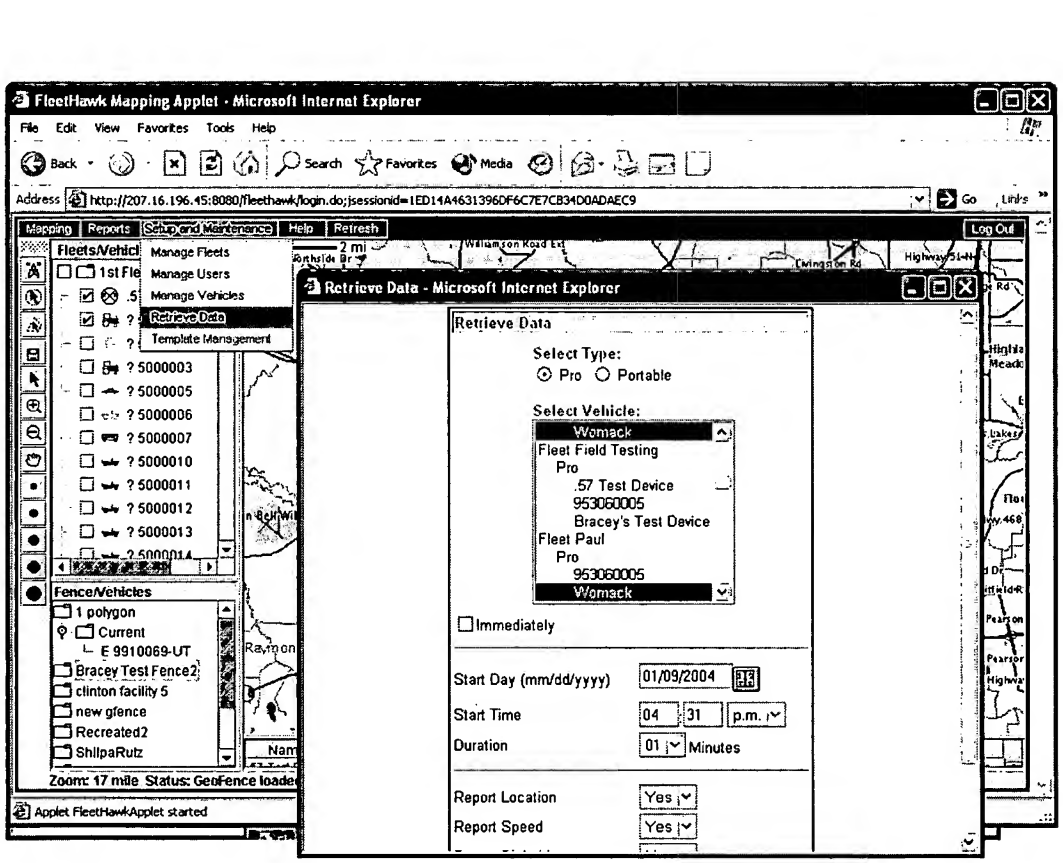

1807
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Log Out
Manage Fleets
Manage Users
Manage Vehicles
Retrieve Data
Template Management
Fleets/Vehicl
1st Fle
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
Zoom: 17 mile Status: GeoFence loade
Applet FleetHawkApplet started
Retrieve Data - Microsoft Internet Explorer
Retrieve Data
Select Type:
Pro Portable
Select Vehicle:
Womack
Fleet Field Testing
Pro
.57 Test Device
953060005
Bracey's Test Device
Fleet Paul
Pro
953060005
Womack
Immediately
Start Day (mm/dd/yyyy)
01/09/2004
Start Time
04
31
p.m.
Duration
01
Minutes
Report Location
Yes
Report Speed
Yes

FIG. 18e

1809

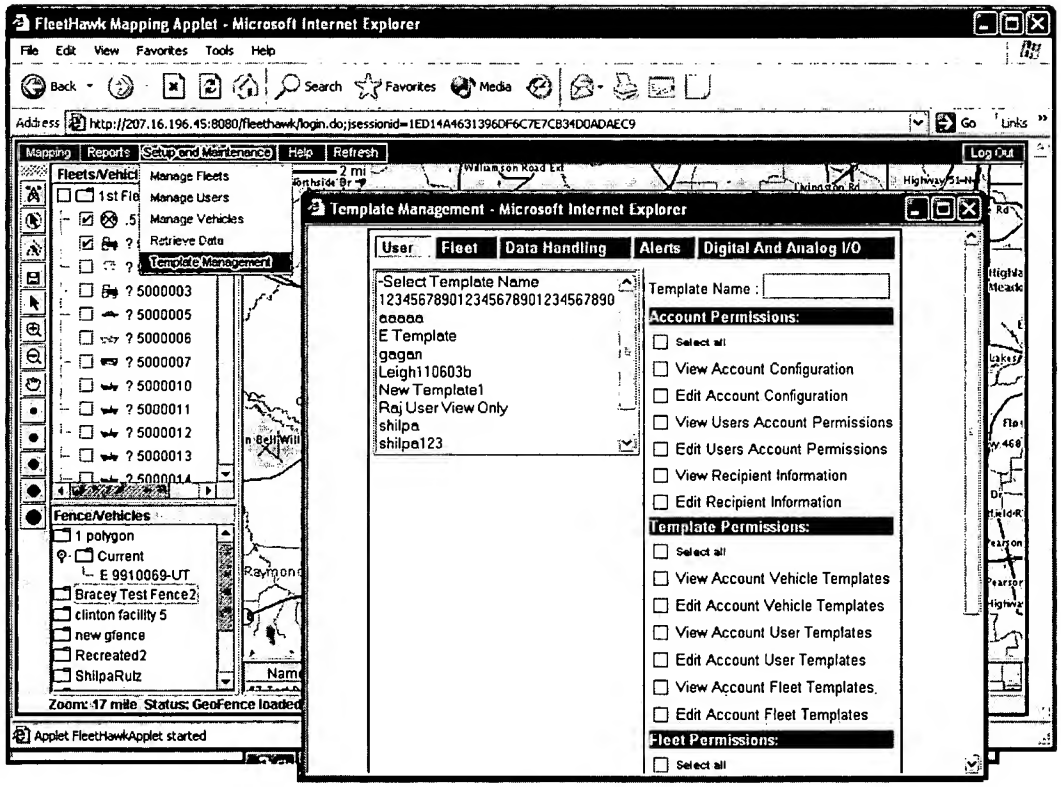

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Manage Fleets
Manage Users
Manage Vehicles
Retrieve Data
Template Management
Fleets/Vehicl
1st Fle
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRutz
Zoom: 17 mile Status: GeoFence loaded
Applet FleetHawkApplet started
Template Management - Microsoft Internet Explorer
User
Fleet
Data Handling
Alerts
Digital And Analog I/O
-Select Template Name
12345678901234567890123456789O
aaaaa
E Template
gagan
Leigh110603b
New Template1
Raj User View Only
shilpa
shilpa123
Template Name :
Account Permissions:
Select all
View Account Configuration
Edit Account Configuration
View Users Account Permissions
Edit Users Account Permissions
View Recipient Information
Edit Recipient Information
Template Permissions:
Select all
View Account Vehicle Templates
Edit Account Vehicle Templates
View Account User Templates
Edit Account User Templates
View Account Fleet Templates.
Edit Account Fleet Templates
Fleet Permissions:
Select all

FIG. 19a

1901

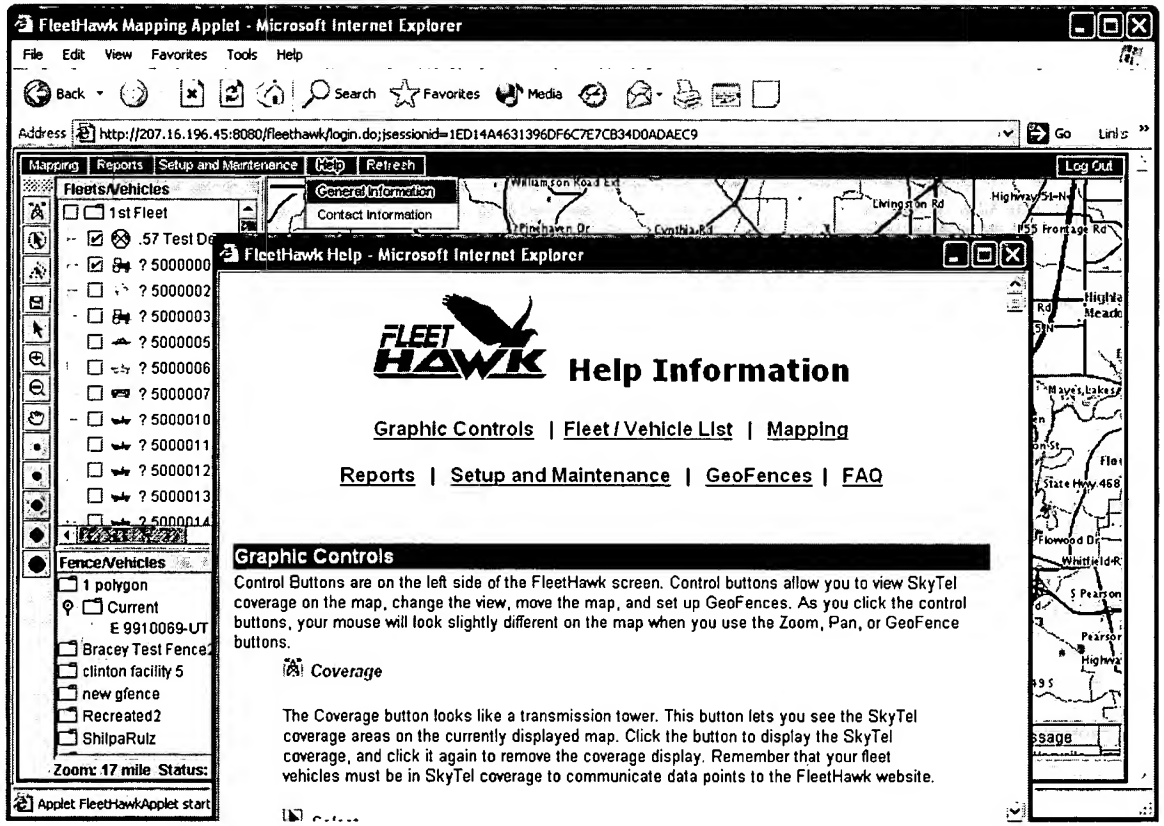

FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh Log Out
General Information
Contact Information
Fleets/Vehicles
1st Fleet
.57 Test De
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
Zoom: 17 mile Status:
Applet FleetHawkApplet start
FleetHawk Help - Microsoft Internet Explorer
FLEET HAWK
Help Information
Graphic Controls | Fleet / Vehicle List | Mapping
Reports | Setup and Maintenance | GeoFences | FAQ
Graphic Controls
Control Buttons are on the left side of the FleetHawk screen. Control buttons allow you to view SkyTel coverage on the map, change the view, move the map, and set up GeoFences. As you click the control buttons, your mouse will look slightly different on the map when you use the Zoom, Pan, or GeoFence buttons.
Coverage
The Coverage button looks like a transmission tower. This button lets you see the SkyTel coverage areas on the currently displayed map. Click the button to display the SkyTel coverage, and click it again to remove the coverage display. Remember that your fleet vehicles must be in SkyTel coverage to communicate data points to the FleetHawk website.

FIG. 19b

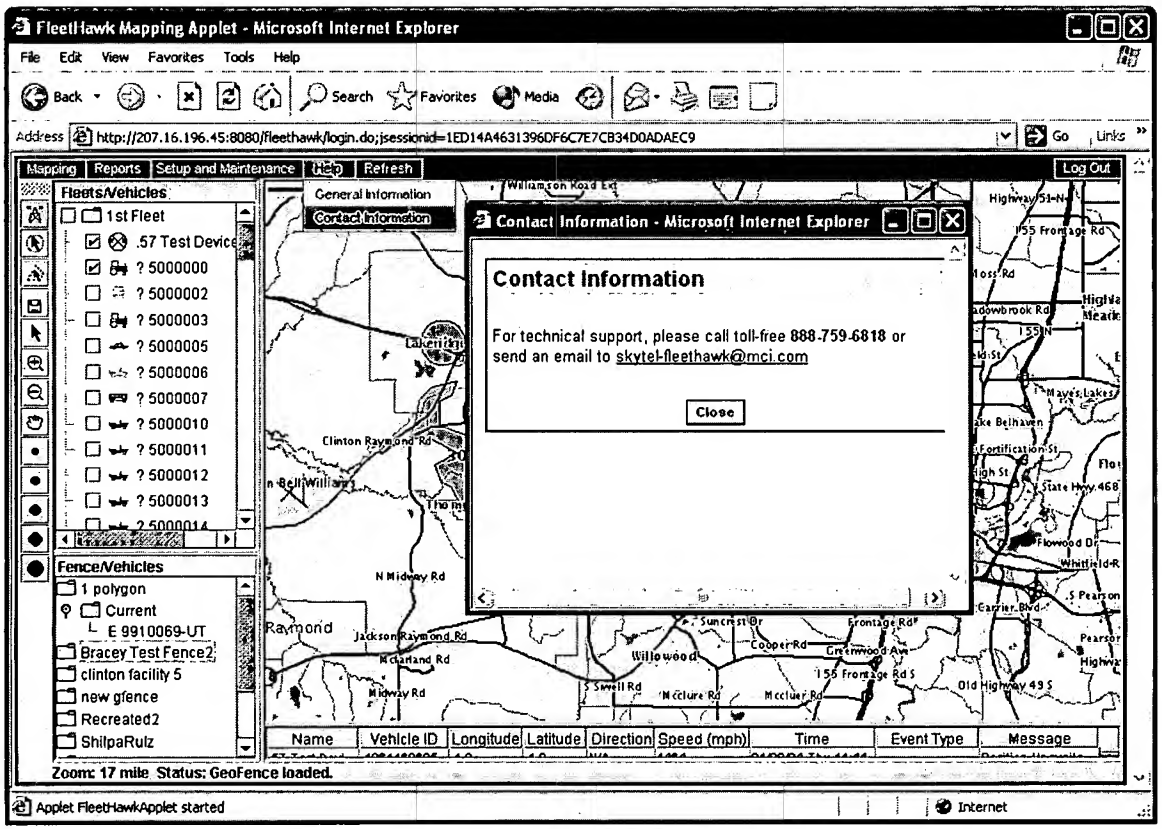

1903
FleetHawk Mapping Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/login.do;jsessionid=1ED14A4631396DF6C7E7CB34D0ADAEC9
Go Links
Mapping Reports Setup and Maintenance Help Refresh
Log Out
Fleets/Vehicles
1st Fleet
.57 Test Device
? 5000000
? 5000002
? 5000003
? 5000005
? 5000006
? 5000007
? 5000010
? 5000011
? 5000012
? 5000013
Fence/Vehicles
1 polygon
Current
E 9910069-UT
Bracey Test Fence2
clinton facility 5
new gfence
Recreated2
ShilpaRulz
General Information
Contact Information
Contact Information - Microsoft Internet Explorer
Contact Information
For technical support, please call toll-free 888-759-6818 or send an email to skytel-fleethawk@mci.com
Close
Name
Vehicle ID
Longitude
Latitude
Direction
Speed (mph)
Time
Event Type
Message
Zoom: 17 mile Status: GeoFence loaded.
Applet FleetHawkApplet started
Internet

FIG. 20a

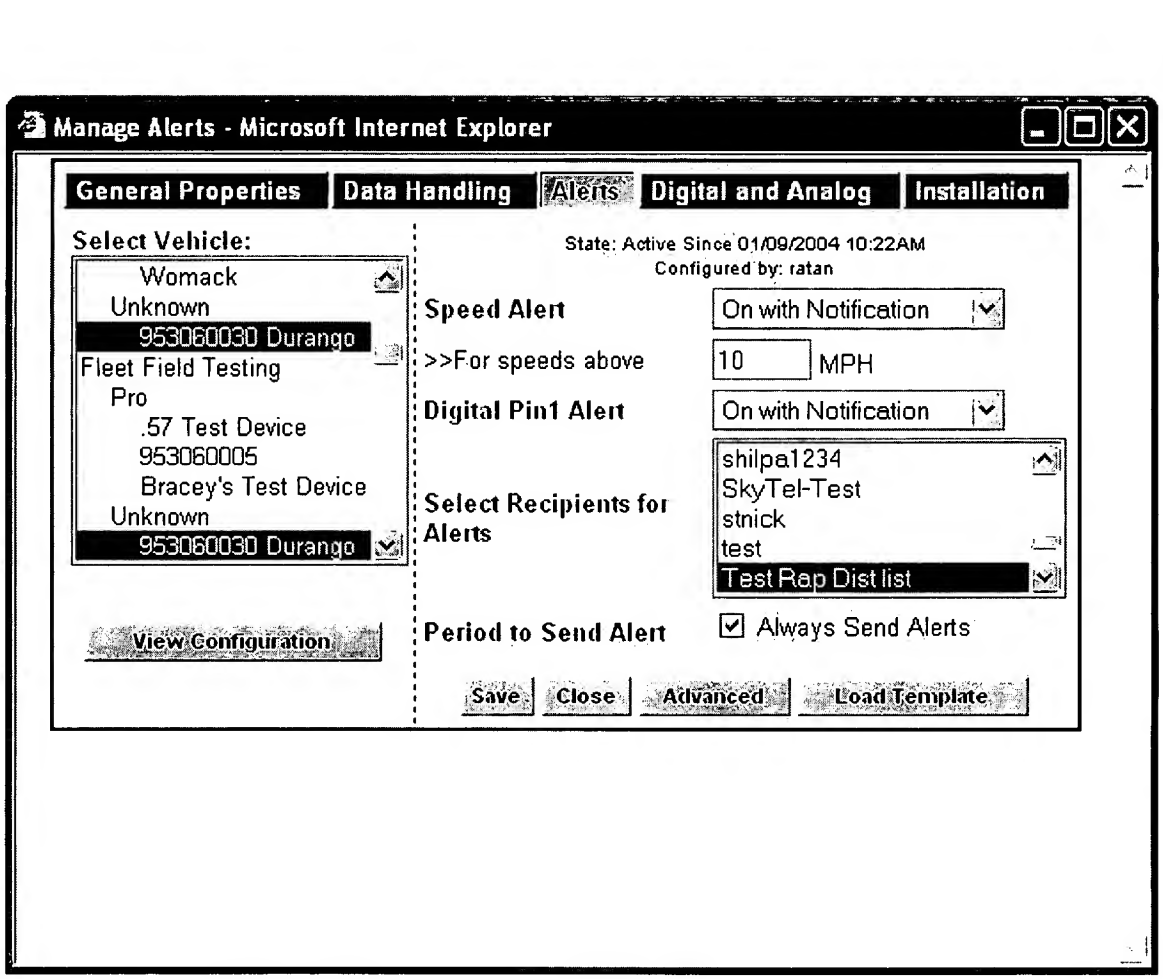
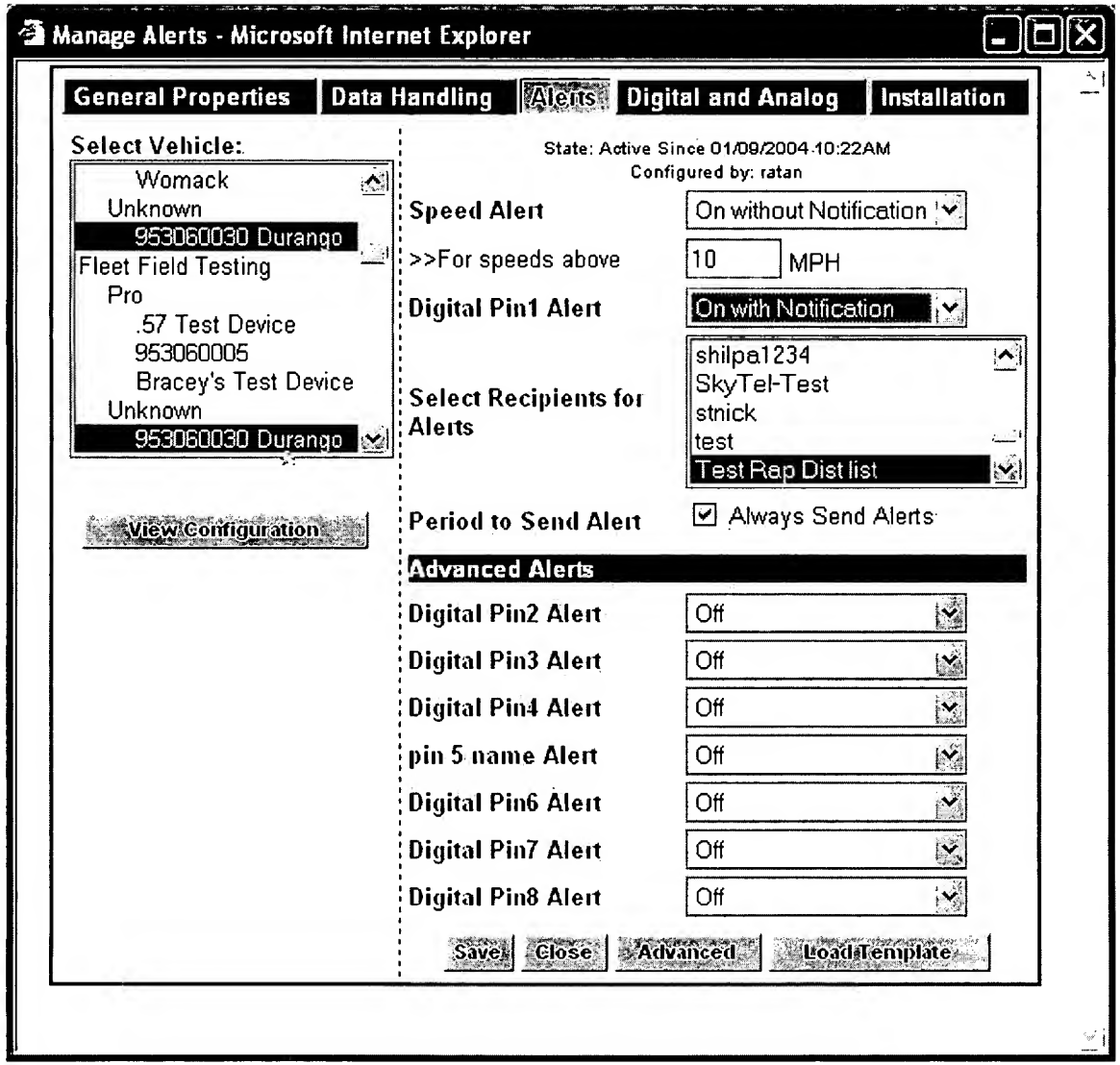

2001
Manage Alerts - Microsoft Internet Explorer
General Properties
Data Handling
Alerts
Digital and Analog
Installation
Select Vehicle:
Womack
Unknown
953060030 Durango
Fleet Field Testing
Pro
.57 Test Device
953060005
Bracey's Test Device
Unknown
953060030 Durango
View Configuration
State: Active Since 01/09/2004 10:22AM
Configured by: ratan
Speed Alert
On with Notification
>>For speeds above
10
MPH
Digital Pin1 Alert
On with Notification
Select Recipients for Alerts
shilpa1234
SkyTel-Test
stnick
test
Test Rap Dist list
Period to Send Alert
Always Send Alerts
Save
Close
Advanced
Load Template

FIG. 20b


Manage Alerts - Microsoft Internet Explorer
General Properties
Data Handling
Alerts
Digital and Analog
Installation
Select Vehicle:
Womack
Unknown
953060030 Durango
Fleet Field Testing
Pro
.57 Test Device
953060005
Bracey's Test Device
Unknown
953060030 Durango
View Configuration
State: Active Since 01/09/2004 10:22AM
Configured by: ratan
Speed Alert
On without Notification
>>For speeds above
10
MPH
Digital Pin1 Alert
On with Notification
Select Recipients for Alerts
shilpa1234
SkyTel-Test
stnick
test
Test Rep Dist list
Period to Send Alert
Always Send Alerts
Advanced Alerts
Digital Pin2 Alert
Off
Digital Pin3 Alert
Off
Digital Pin4 Alert
Off
pin 5 name Alert
Off
Digital Pin6 Alert
Off
Digital Pin7 Alert
Off
Digital Pin8 Alert
Off
Save
Close
Advanced
Load Template

2003

FIG. 20c

2005

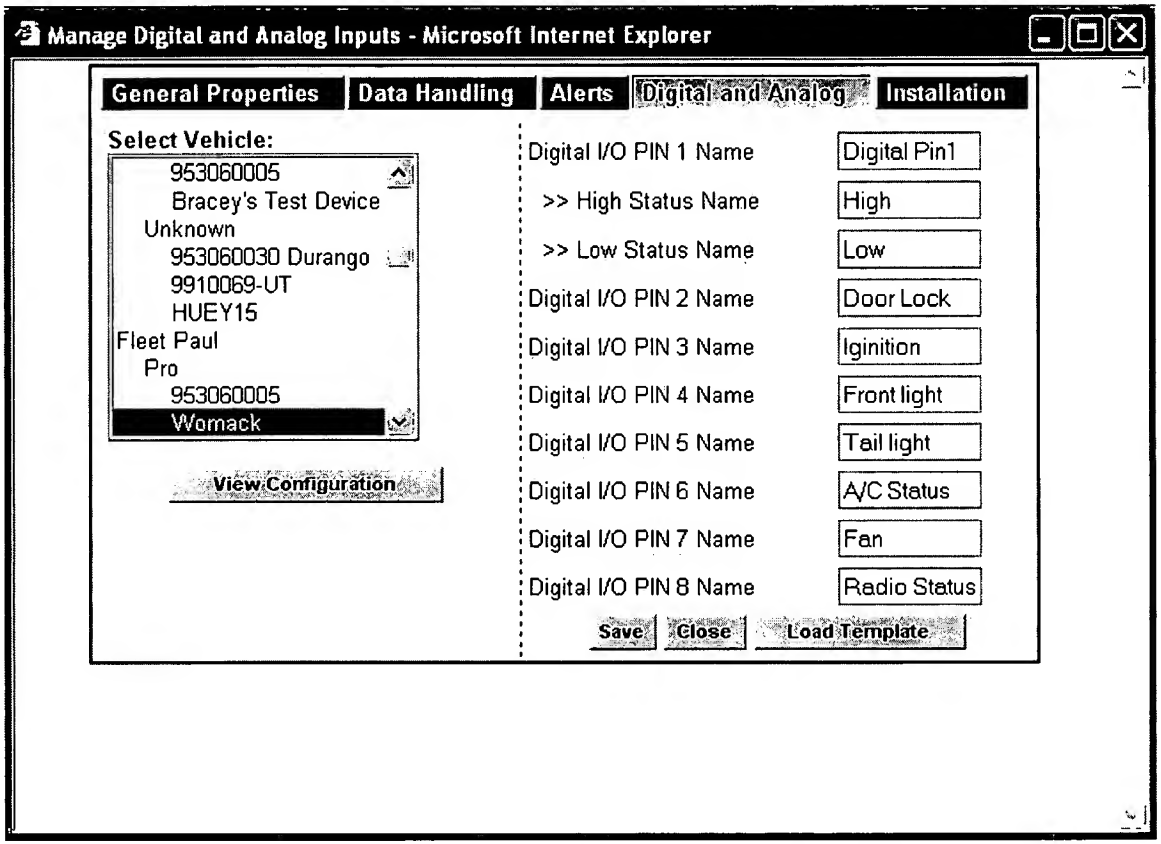

Manage Digital and Analog Inputs - Microsoft Internet Explorer
General Properties
Data Handling
Alerts
Digital and Analog
Installation
Select Vehicle:
953060005
Bracey's Test Device
Unknown
953060030 Durango
9910069-UT
HUEY15
Fleet Paul
Pro
953060005
Womack
View Configuration
Digital I/O PIN 1 Name
Digital Pin1
>> High Status Name
High
>> Low Status Name
Low
Digital I/O PIN 2 Name
Door Lock
Digital I/O PIN 3 Name
Iginition
Digital I/O PIN 4 Name
Front light
Digital I/O PIN 5 Name
Tail light
Digital I/O PIN 6 Name
A/C Status
Digital I/O PIN 7 Name
Fan
Digital I/O PIN 8 Name
Radio Status
Save
Close
Load Template

FIG. 20d

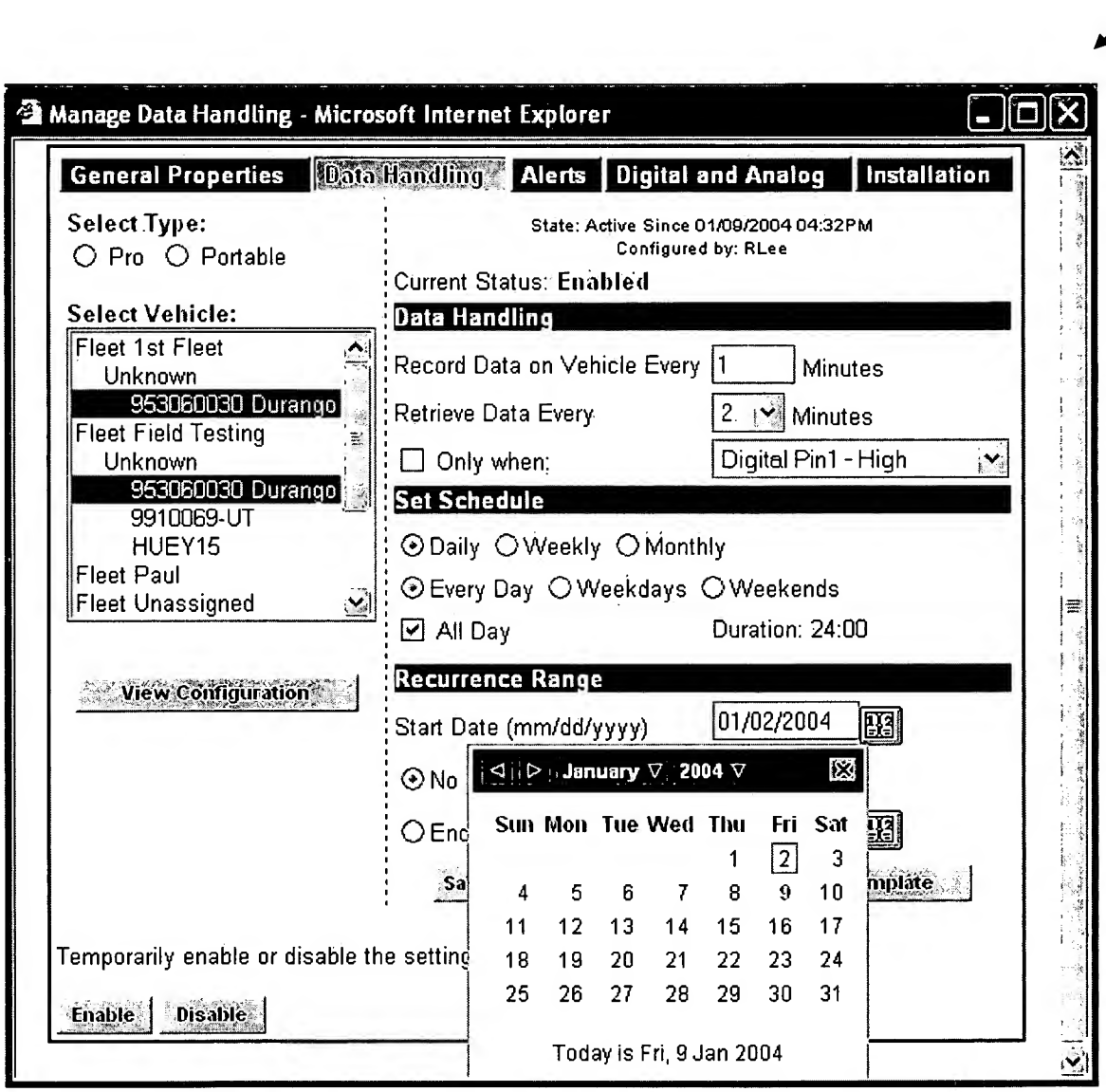

2007
Manage Data Handling - Microsoft Internet Explorer
General Properties
Data Handling
Alerts
Digital and Analog
Installation
Select Type:
Pro
Portable
Select Vehicle:
Fleet 1st Fleet
Unknown
953060030 Durango
Fleet Field Testing
Unknown
953060030 Durango
9910069-UT
HUEY15
Fleet Paul
Fleet Unassigned
View Configuration
State: Active Since 01/09/2004 04:32PM
Configured by: RLee
Current Status: Enabled
Data Handling
Record Data on Vehicle Every 1 Minutes
Retrieve Data Every 2 Minutes
Only when:
Digital Pin1 - High
Set Schedule
Daily
Weekly
Monthly
Every Day
Weekdays
Weekends
All Day
Duration: 24:00
Recurrence Range
Start Date (mm/dd/yyyy)
01/02/2004
No
End
January
2004
Sun Mon Tue Wed Thu Fri Sat
1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31
Today is Fri, 9 Jan 2004
Temporarily enable or disable the setting
Enable
Disable

FIG. 20e

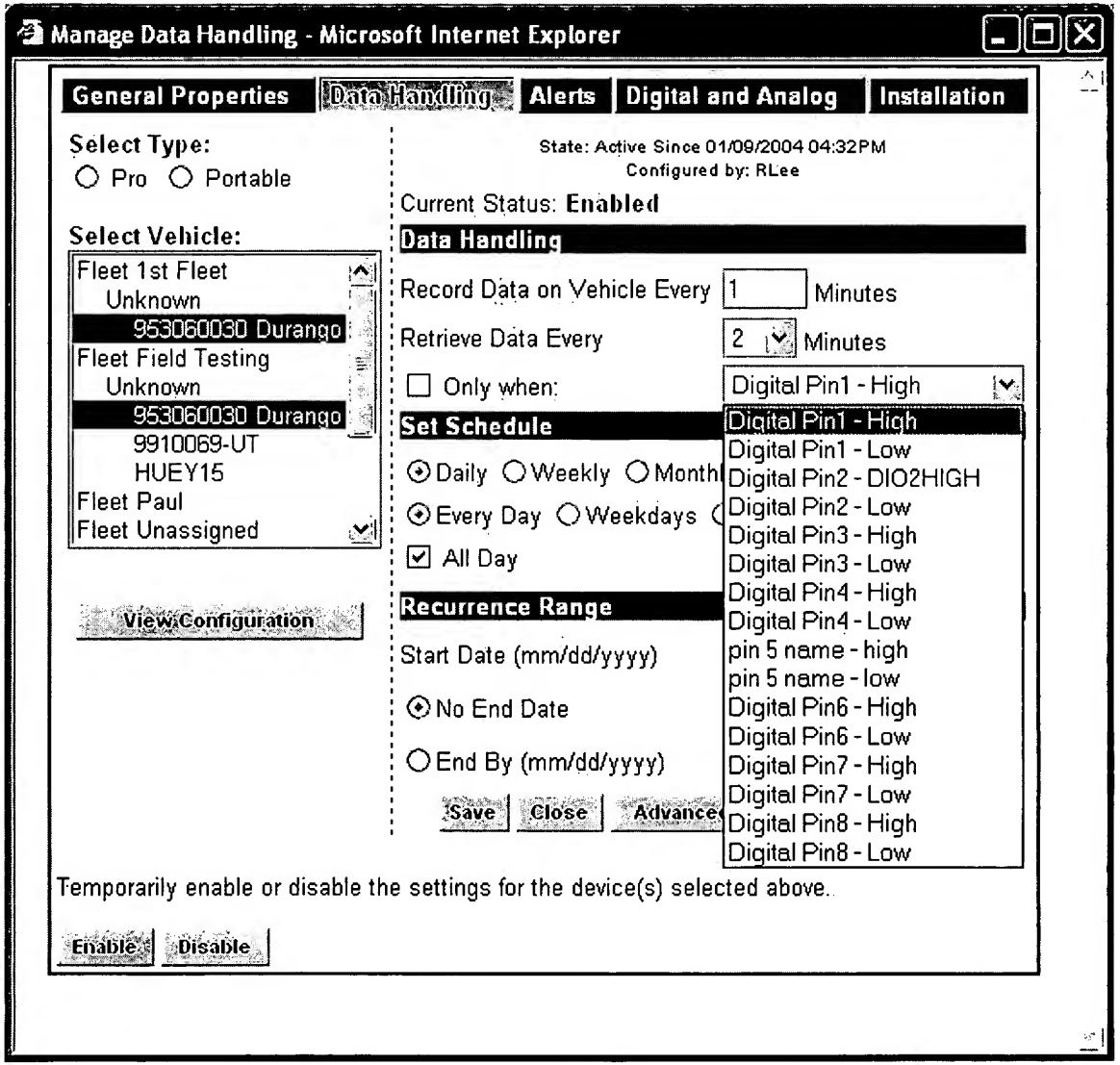
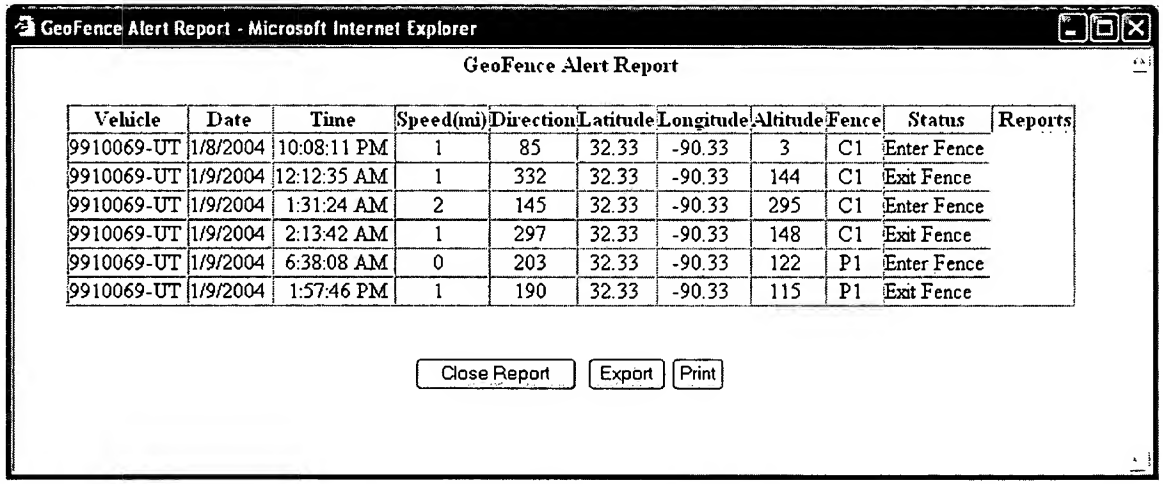

2009
Manage Data Handling - Microsoft Internet Explorer
General Properties
Data Handling
Alerts
Digital and Analog
Installation
Select Type:
Pro
Portable
Select Vehicle:
Fleet 1st Fleet
Unknown
953060030 Durango
Fleet Field Testing
Unknown
953060030 Durango
9910069-UT
HUEY15
Fleet Paul
Fleet Unassigned
View Configuration
State: Active Since 01/09/2004 04:32PM
Configured by: RLee
Current Status: Enabled
Data Handling
Record Data on Vehicle Every 1 Minutes
Retrieve Data Every 2 Minutes
Only when:
Digital Pin1 - High
Digital Pin1 - High
Digital Pin1 - Low
Digital Pin2 - DIO2HIGH
Digital Pin2 - Low
Digital Pin3 - High
Digital Pin3 - Low
Digital Pin4 - High
Digital Pin4 - Low
pin 5 name - high
pin 5 name - low
Digital Pin6 - High
Digital Pin6 - Low
Digital Pin7 - High
Digital Pin7 - Low
Digital Pin8 - High
Digital Pin8 - Low
Set Schedule
Daily
Weekly
Every Day
Weekdays
All Day
Recurrence Range
Start Date (mm/dd/yyyy)
No End Date
End By (mm/dd/yyyy)
Save
Close
Temporarily enable or disable the settings for the device(s) selected above.
Enable
Disable

FIG. 21a

2101



Vehicle	Date	Time	Speed(mi)	Direction	Latitude	Longitude	Altitude	Fence	Status	Reports
9910069-UT	1/8/2004	10:08:11 PM	1	85	32.33	-90.33	3	C1	Enter Fence	
9910069-UT	1/9/2004	12:12:35 AM	1	332	32.33	-90.33	144	C1	Exit Fence	
9910069-UT	1/9/2004	1:31:24 AM	2	145	32.33	-90.33	295	C1	Enter Fence	
9910069-UT	1/9/2004	2:13:42 AM	1	297	32.33	-90.33	148	C1	Exit Fence	
9910069-UT	1/9/2004	6:38:08 AM	0	203	32.33	-90.33	122	P1	Enter Fence	
9910069-UT	1/9/2004	1:57:46 PM	1	190	32.33	-90.33	115	P1	Exit Fence	

FIG. 21b

2103

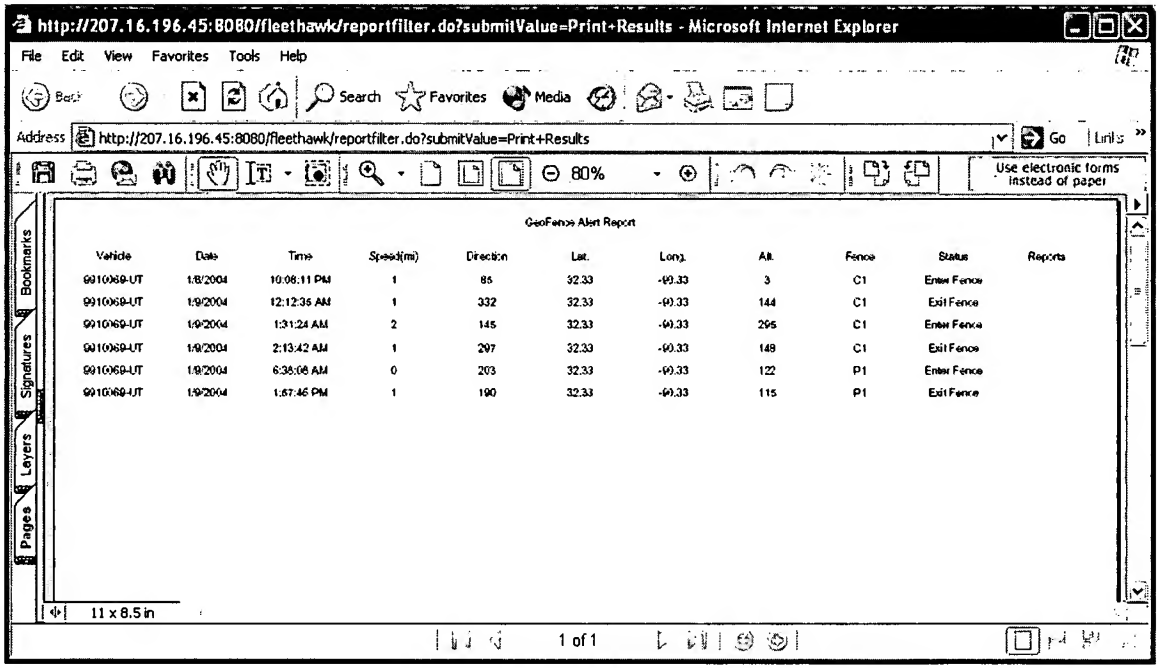
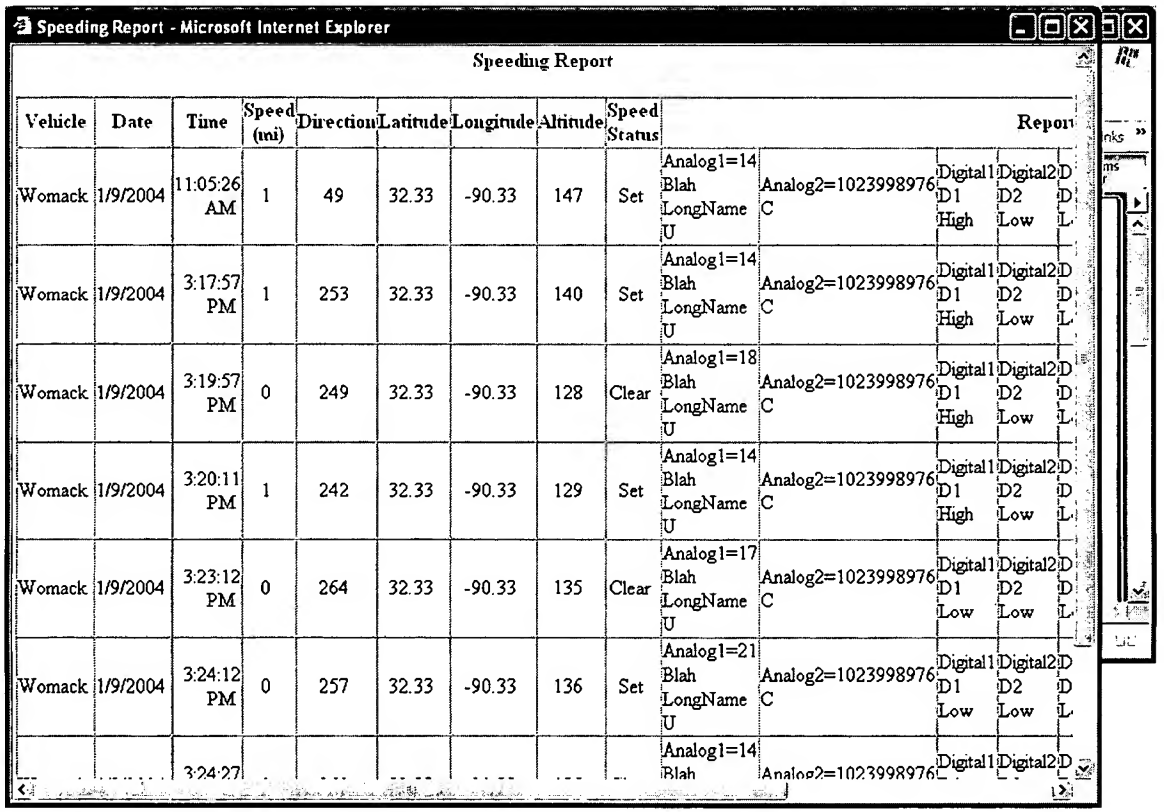

http://207.16.196.45:8080/fleethawk/reportfilter.do?submitValue=Print+Results - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://207.16.196.45:8080/fleethawk/reportfilter.do?submitValue=Print+Results
Use electronic forms instead of paper
GeoFence Alert Report
Vehicle Date Time Speed(mi) Direction Lat. Long. Alt. Fence Status Reports
9910069-UT 1/8/2004 10:08:11 PM 1 85 32.33 -90.33 3 C1 Enter Fence
9910069-UT 1/9/2004 12:12:36 AM 1 332 32.33 -90.33 144 C1 Exit Fence
9910069-UT 1/9/2004 1:31:24 AM 2 145 32.33 -90.33 295 C1 Enter Fence
9910069-UT 1/9/2004 2:13:42 AM 1 297 32.33 -90.33 148 C1 Exit Fence
9910069-UT 1/9/2004 6:35:06 AM 0 203 32.33 -90.33 122 P1 Enter Fence
9910069-UT 1/9/2004 1:57:46 PM 1 190 32.33 -90.33 115 P1 Exit Fence
Bookmarks
Signatures
Layers
Pages
11 x 8.5 in
1 of 1

FIG. 21c

2105



Vehicle	Date	Time	Speed (mi)	Direction	Latitude	Longitude	Altitude	Speed Status	Report
Womack	1/9/2004	11:05:26 AM	1	49	32.33	-90.33	147	Set	Analog1=14 Blah LongName U Analog2=1023998976 C Digital1 D1 High Digital2 D2 Low D D L
Womack	1/9/2004	3:17:57 PM	1	253	32.33	-90.33	140	Set	Analog1=14 Blah LongName U Analog2=1023998976 C Digital1 D1 High Digital2 D2 Low D D L
Womack	1/9/2004	3:19:57 PM	0	249	32.33	-90.33	128	Clear	Analog1=18 Blah LongName U Analog2=1023998976 C Digital1 D1 High Digital2 D2 Low D D L
Womack	1/9/2004	3:20:11 PM	1	242	32.33	-90.33	129	Set	Analog1=14 Blah LongName U Analog2=1023998976 C Digital1 D1 High Digital2 D2 Low D D L
Womack	1/9/2004	3:23:12 PM	0	264	32.33	-90.33	135	Clear	Analog1=17 Blah LongName U Analog2=1023998976 C Digital1 D1 Low Digital2 D2 Low D D L
Womack	1/9/2004	3:24:12 PM	0	257	32.33	-90.33	136	Set	Analog1=21 Blah LongName U Analog2=1023998976 C Digital1 D1 Low Digital2 D2 Low D D L
		3:24:27							Analog1=14 Blah Analog2=1023998976 Digital1 Digital2 D

FIG. 21d

2107

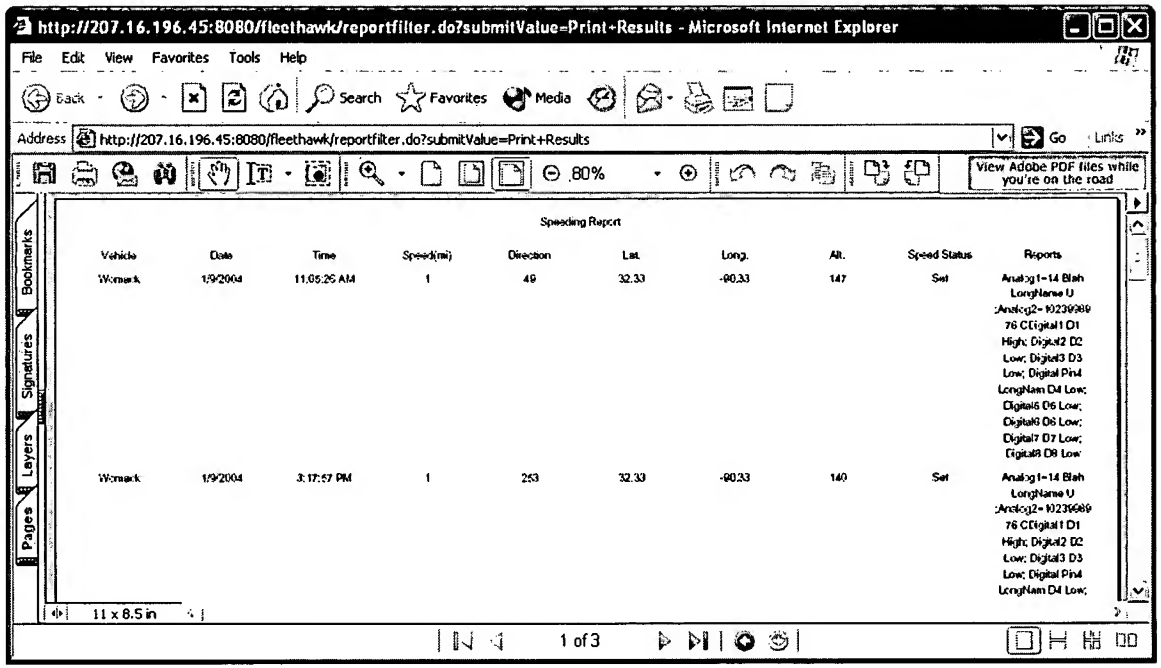
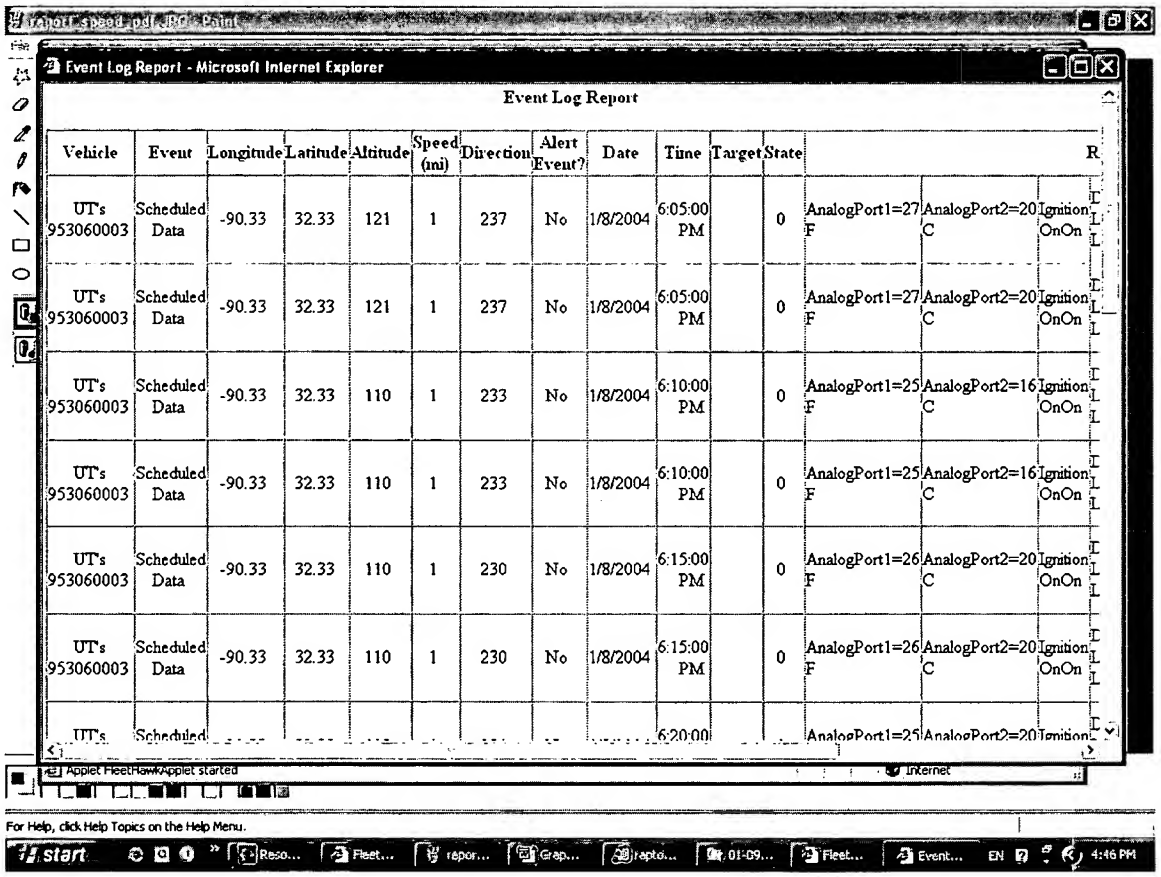

http://207.16.196.45:8080/fleethawk/reportfilter.do?submitValue=Print+Results - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://207.16.196.45:8080/fleethawk/reportfilter.do?submitValue=Print+Results
Go Links
80%
View Adobe PDF files while you're on the road
Bookmarks
Signatures
Layers
Pages
Speeding Report
Vehicle Date Time Speed(mi) Direction Lat. Long. Alt. Speed Status Reports
Womack 1/9/2004 11:05:26 AM 1 49 32.33 -90.33 147 Set Analog1=14 Blah LongName U ;Analog2=10239989 76 CDigital1 D1 High; Digital2 D2 Low; Digital3 D3 Low; Digital Pin4 LongNam D4 Low; Digital5 D6 Low; Digital6 D6 Low; Digital7 D7 Low; Digital8 D8 Low
Womack 1/9/2004 3:17:57 PM 1 253 32.33 -90.33 140 Set Analog1=14 Blah LongName U ;Analog2=10239989 76 CDigital1 D1 High; Digital2 D2 Low; Digital3 D3 Low; Digital Pin4 LongNam D4 Low;
11 x 8.5 in
1 of 3

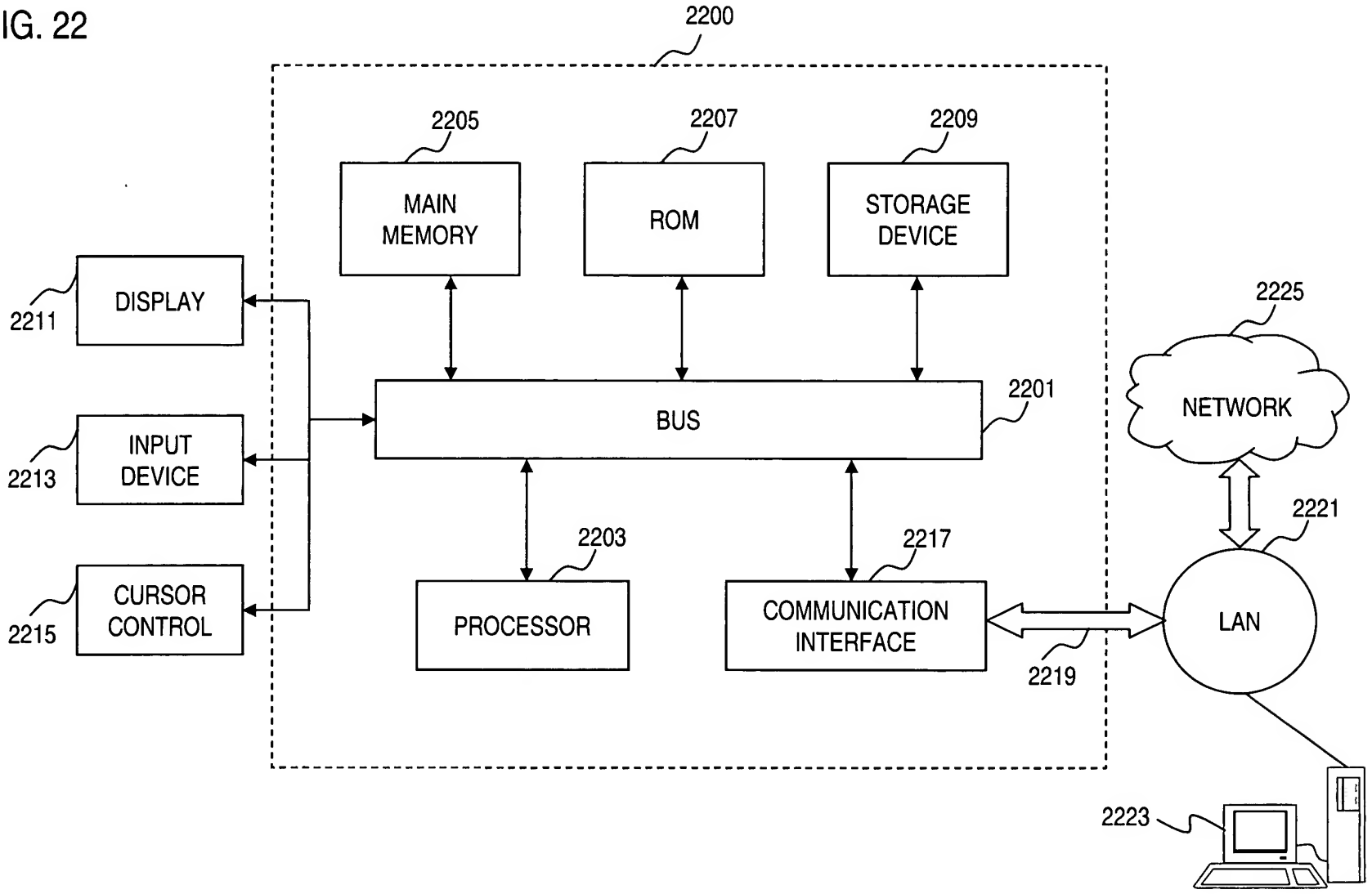
FIG. 21e

2109



Vehicle	Event	Longitude	Latitude	Altitude	Speed (mi)	Direction	Alert Event?	Date	Time	Target	State			R
UT's 953060003	Scheduled Data	-90.33	32.33	121	1	237	No	1/8/2004	6:05:00 PM		0	AnalogPort1=27 F	AnalogPort2=20 C	Ignition OnOn
UT's 953060003	Scheduled Data	-90.33	32.33	121	1	237	No	1/8/2004	6:05:00 PM		0	AnalogPort1=27 F	AnalogPort2=20 C	Ignition OnOn
UT's 953060003	Scheduled Data	-90.33	32.33	110	1	233	No	1/8/2004	6:10:00 PM		0	AnalogPort1=25 F	AnalogPort2=16 C	Ignition OnOn
UT's 953060003	Scheduled Data	-90.33	32.33	110	1	233	No	1/8/2004	6:10:00 PM		0	AnalogPort1=25 F	AnalogPort2=16 C	Ignition OnOn
UT's 953060003	Scheduled Data	-90.33	32.33	110	1	230	No	1/8/2004	6:15:00 PM		0	AnalogPort1=26 F	AnalogPort2=20 C	Ignition OnOn
UT's 953060003	Scheduled Data	-90.33	32.33	110	1	230	No	1/8/2004	6:15:00 PM		0	AnalogPort1=26 F	AnalogPort2=20 C	Ignition OnOn
UT's	Scheduled								6:20:00			AnalogPort1=25	AnalogPort2=20	Ignition

FIG. 22


2200
2205
MAIN MEMORY
2207
ROM
2209
STORAGE DEVICE
2211
DISPLAY
2213
INPUT DEVICE
2215
CURSOR CONTROL
BUS
2201
2203
PROCESSOR
2217
COMMUNICATION INTERFACE
2219
2225
NETWORK
2221
LAN
2223

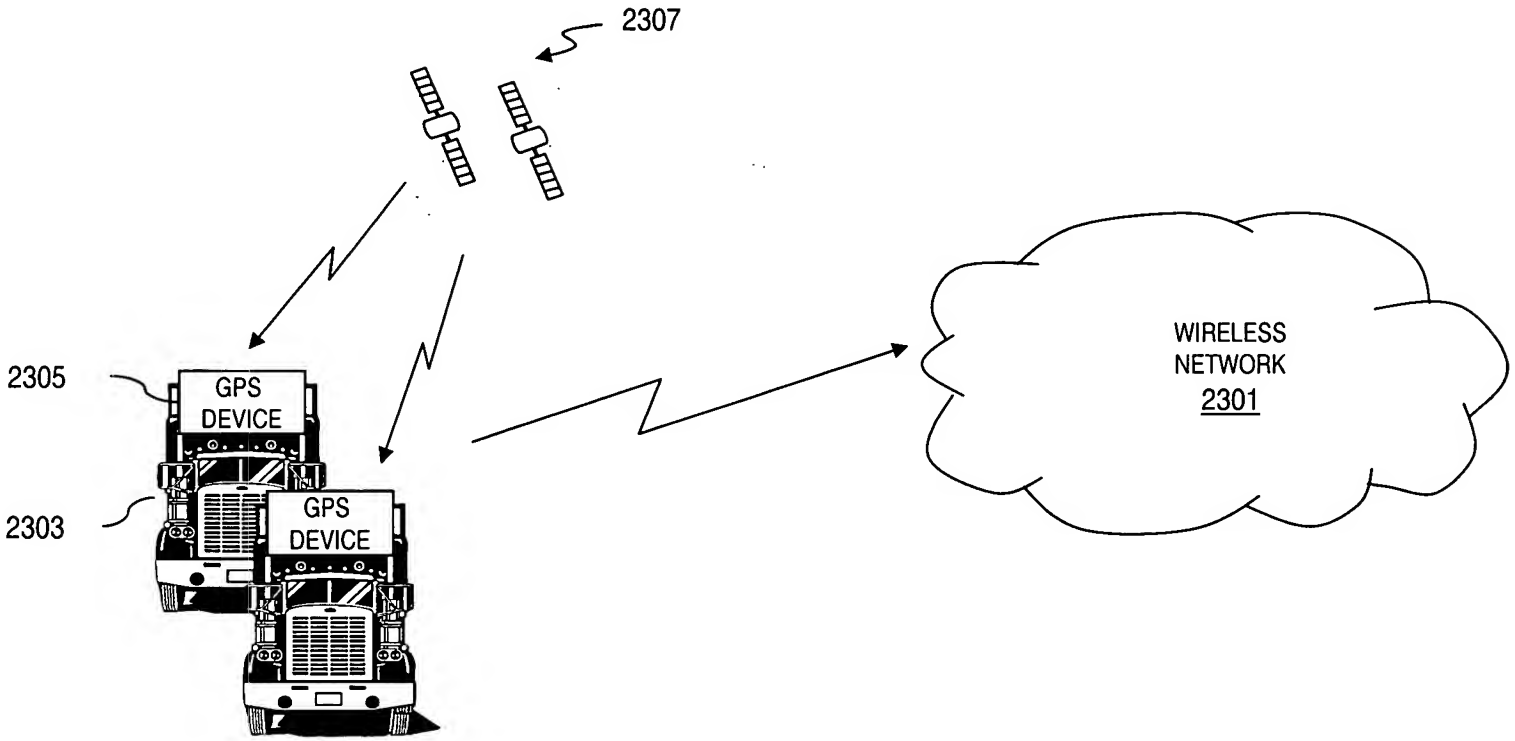



FIG. 23 *BACKGROUND ART*